

1914

# HELPS

1914

For Roofers and  
Sheet Metal Workers



**L. D. BERGER**

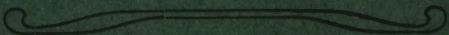
MERCHANT AND MANUFACTURER

**Tinners' and Roofers' Supplies**

**59 N. Second St.**

**Philadelphia**

If this catalogue doesn't give the information that you desire, don't fail to write us. We will promptly attend to your inquiry. We want to please you.



All departments may be reached  
through **OUR PRIVATE**  
**Branch Exchanges**

**BELL, MARKET 5-54. KEYSTONE, MAIN 40-00.**

# TERMS.

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**NET CASH**, thirty days from date of invoice—or one per cent. if paid within ten days, on tin, solder, etc.; other goods, two per cent.

Parties desiring credit must have good commercial rating, or furnish satisfactory reference, before shipment will be made, otherwise will ship goods to our address and make sight draft, with bill of lading attached.

No goods will be shipped C. O. D. or to our order, with Draft and Bill of Lading attached, unless part payment is made in advance, to insure acceptance.

Bills not paid at maturity are subject to sight draft, without further notice, although we much prefer that customers remit the respective amounts when due.

No extension allowed, nor more than thirty days' credit given, except by special agreement to parties financially responsible, on note bearing six per cent. interest after thirty days.

In order to avoid mistakes and unnecessary delays, customers will kindly send their orders, inquiries and remittances upon separate sheets.

Claims for errors must be made on receipt of goods.

Interest will be added on all accounts when over-due.

As questions constantly arise as to the responsibility of shipper, for loss of and damage to goods, etc., in transit, we beg to call the special attention of our customers to the following:

*Our responsibility ceases as soon as goods are delivered in good order and condition at shipping point, and a receipt taken for the same—we, as senders, having no legal claim after the goods are delivered to the carriers properly consigned, as the ownership has passed from us to the consignee.*

*No goods returned, will be received by us unless we have been corresponded with, and have given our permission, that same can be returned, and party returning, must in all cases pay freight and expenses.*

# WEIGHT OF PLAIN BLACK SHEETS

as determined by the Standard United States Gauge.

No. of Gauge	Approximate Thick- ness in fractions of an inch	Approximate Thick- ness in decimal parts of an inch	Weight per square foot in ounces avoirdupois	Weight per square foot in pounds avoirdupois
0000000	1-2	.5	320	20.00
000000	15-32	.46875	300	18.75
00000	7-16	.4375	280	17.50
0000	13-32	.40625	260	16.25
000	3-8	.375	240	15.
00	11-32	.34375	220	13.75
0	5-16	.3125	200	12.50
1	9-32	.28125	180	11.25
2	17-64	.265625	170	10.625
3	1-4	.25	160	10.
4	15-64	.234375	150	9.375
5	7-32	.21875	140	8.75
6	13-64	.203125	130	8.125
7	3-16	.1875	120	7.5
8	11-64	.171875	110	6.875
9	5-32	.15625	100	6.25
10	9-64	.140625	90	5.625
11	1-8	.125	80	5.
12	7-64	.109375	70	4.375
13	3-32	.09375	60	3.75
14	5-64	.078125	50	3.125
15	9-128	.0703125	45	2.8125
16	1-16	.0625	40	2.5
17	9-160	.05625	36	2.25
18	1-20	.05	32	2.
19	7-160	.04375	28	1.75
20	3-80	.0375	24	1.50
21	11-320	.034375	22	1.375
22	1-32	.03125	20	1.25
23	9-320	.028125	18	1.125
24	1-40	.025	16	1.
25	7-320	.021875	14	.875
26	3-160	.01875	12	.75
27	11-640	.0171875	11	.6875
28	1-64	.015625	10	.625
29	9-640	.0140625	9	.5625
30	1-80	.0125	8	.5
31	7-640	.0109375	7	.4375
32	13-1280	.01015625	6½	.40625
33	3-320	.006375	6	.375
34	11-1280	.00859375	5½	.34375
35	5-640	.0078125	5	.3125
36	9-1280	.00703125	4½	.28125
37	17-2560	.006640625	4¼	.265625
38	1-160	.00625	4	.25

**NOTE.**—For the purpose of securing uniformity of gauge throughout the United States, Congress, under date March 3d, 1893, adopted the above as the Legal Standard for determining the thickness of uncoated iron and steel sheets, allowing a variation of 2½ per cent. either above or below for practical use and application.



## PLANISHED SHEET IRON

"A" quality, Nos. 20 to 28, inclusive, Size, 28 and 30 in. wide, 45, 48, 56, 60, 72 and 84 in. long.

"B" quality, Nos. 24 to 28, inclusive, Size, 28 in. wide, about 60 in. long.

Locomotive Jacket Planished, Nos. 18 to 24, inclusive, 28 or 30 in. wide, 48, 56, 60, 72 and 84 in. long.

Birmingham Wire Gauge	Standard Size	Approximate Weight per Sheet	Approximate Russia Gauge
No. 22, . . . . .	28 x 60 in.	131 to 132 lbs.	No. 14
" 23, . . . . .	28 x 60 "	124 " 124 "	" 13
" 24, . . . . .	28 x 60 "	107 " 111 "	" 12
" 25, . . . . .	28 x 60 "	93 " 101 "	" 11
" 26, . . . . .	28 x 60 "	81 " 91 "	" 10
" 27, . . . . .	28 x 60 "	8 " 8 "	" 9
" 28, . . . . .	28 x 60 "	7 1/2 " 8 "	" 8

Average net weight per bundle, about 250 lbs.

## APPROXIMATE NUMBER OF PATENT PLANISHED SHEETS PER PACK

No. 20, 30 x 72, . . . . .	12 sheets	No. 24, 28 x 84, . . . . .	16 sheets
" 22, 28 x 60, . . . . .	19 "	" 24, 30 x 84, . . . . .	15 "
" 22, 28 x 84, . . . . .	13 "	" 25, 28 x 60, . . . . .	25 "
" 22, 30 x 84, . . . . .	13 "	" 26, 28 x 60, . . . . .	28 "
" 24, 28 x 60, . . . . .	23 "	" 27, 28 x 60, . . . . .	29 "
" 24, 28 x 72, . . . . .	19 "	" 28, 28 x 60, . . . . .	31 "

## SHEET COPPER

Table of Weight per Square Foot, and Thickness per Stubs' Wire Gauge.

SPECIAL SIZES MADE TO ORDER

Stubs' Gauge (nearest No.)	Thickness in decimal parts of 1 inch	Ounce per square foot	14 x 48 lbs.	24 x 48 lbs.	24 x 96 lbs.	30 x 60 lbs.	36 x 72 lbs.	48 x 72 lbs.	30 x 96 lbs.	36 x 96 lbs.	30 x 120 lbs.	36 x 144 lbs.
36	.00337	4	1.18	2	4	8.12	4.50	6.	5.	6.	6.24	9.00
33	.00306	6	1.75	3	6	4.68	6.75	9.	7.40	9.00	9.36	13.60
31	.0107	8	2.33	4	8	6.25	9.00	12.	10.00	12.00	12.50	18.00
29	.0134	10	2.91	5	10	7.83	11.25	15.	12.60	15.00	15.62	22.50
27	.0161	12	3.50	6	12	9.37	13.50	18.	15.00	18.00	18.74	27.00
26	.0188	14	4.08	7	14	10.93	15.75	21.	17.50	21.00	21.86	31.50
24	.0215	18	4.66	8	18	12.60	18.00	24.	20.00	24.00	25.00	36.00
23	.0243	15	5.25	9	15	14.06	20.25	27.	22.50	27.00	28.12	40.50
22	.0269	20	5.83	12	20	15.62	22.60	30.	28.00	30.00	31.24	45.00
21	.0322	24	7.00	14	24	18.75	27.	36.	36.00	36.00	37.50	54.
19	.0430	30	9.33	18	30	25.00	36.	45.	45.00	45.00	50.00	72.
18	.0638	40	11.66	24	40	31.25	45.	60.	60.00	60.00	62.00	90.
16	.0645	48	14.00	24	48	37.50	54.	72.	60.00	72.00	76.00	108.
14	.0794	64	16.33	32	56	43.75	63.	84.	70.00	84.00	87.50	126.
13	.0950	72	18.66	32	64	50.	72.	96.	80.00	96.00	100.	144.
12	.095	70		35	70	55.	79.	106.	87.50	106.00	110.	150.
11	.109	81		40	80	63.	91.	122.	101.25	121.50	126.	180.
10	.120	89		44 1/2	88	70.	100.	134.	111.50	133.50	140.	200.
9	.134	100		50	100	78.	112.	150.	125.00	148.00	156.	220.
8	.148	110		55	110	86.	124.	166.	137.50	165.00	172.	240.
7	.165	125		61	125	96.	138.	184.	152.75	184.50	192.	270.
6	.180	134		67	134	106.	151.	201.	167.50	201.00	210.	300.
5	.203	151		75 1/2	151	118.	170.	227.	188.75	226.00	236.	340.
4	.220	164		82	164	128.	184.	246.	206.00	246.00	258.	380.
3	.238	177		89 1/2	177	138.	199.	265.	221.25	265.50	278.	420.
2	.259	193		96	193	141.	217.	289.	241.25	289.50	300.	470.
1	.284	211		105 1/2	211	165.	238.	317.	268.75	316.50	330.	478.
0	.300	228		111 1/2	228	174.	251.	335.	278.75	334.50	348.	502.
0	.340	258		130 1/2	258	198.	285.	360.	316.50	379.50	395.	570.

These weights are theoretically correct, but variations must be expected in practice.

L.D. BERGER  
IC  
OLD METHOD  
GENUINE  
CHARCOAL IRON

This plate is the best that can be produced and carries a 40 lb. coating. We sell considerable to the best trade, who desire only first class material.

Stamped in  
Boxes 20x28 or in Rolls.

L.D. BERGER  
IC  
OLD STYLE  
GENUINE  
CHARCOAL IRON

This plate carries 30 lb. coating and is made of the same Iron base as above, the only difference is in the coating. It is much superior to steel.

I. C. or I. X. Stamped in  
Boxes 20x28 or in Rolls.

L.D. BERGERS  
IC  
HAMMERED  
OPEN HEARTH

This is a good plate, 25 lb. coat, which is a cross between steel and iron, it is the general impression that Open Hearth is better than the regular steel.

Stamped in  
Boxes 20x28 or in Rolls.

IC  
OLD METHOD

This plate is made to meet the wants of customers who desire something better than the ordinary plate—yet at a price that will enable them to use it on any work that will bring a fair price—it carries 15 lb. coating, and is sold almost entirely in Rolls, stamped like the cut.

L.D.BERGER  
IC  
OLD METHOD

This plate has a 40 lb. coating and is the highest standard of Steel Plate, each sheet stamped.

Boxes, 20x28 or in Rolls  
ready to lay on roof.

L.D.BERGER  
IC  
OLD PROCESS

A high grade plate with a heavy 30 lb. coating

The mottle is very heavy and durable.

Each sheet stamped.

Boxes, 20x28 or in Rolls  
ready to lay on roof.

L.D.BERGER  
IC  
OLD STYLE

This plate has a 20 lb. coating and is the grade best adapted for all purposes when your customer wants something good but cannot afford a heavier coating.

I. C. or I. X. Stamped.

Boxes, 20x28 or in Rolls.

L.D.BERGER'S  
IC  
THELMA  
OLD STYLE

A 15 lb. coated plate of good quality. It is a happy medium between the best and cheapest. A desirable plate for all around purposes. Stamped in Boxes,

20x28 or in Rolls.

This plate can be furnished in other coatings.

L.D.BERGER  
IC  
PHILA

This plate carries a 12 lb. coating and is just the thing for all kinds of repair work. It is better than the ordinary plates.

We do not advise the use of any lower coated plates, if our standard is accepted.

Rolls or Boxes, Stamped.

L.D.BERGER  
IC  
RUBY

This plate carries an 8 lb. coating and is about the ordinary stock used for general purposes and competition.

I. C. or I. X. Stamped in  
Rolls or Boxes.

L.D.BERGER  
IC  
GEM

This plate carries an 8 lb. coating; it is largely used on contracts. It will work as well as any other plate.

Sold at a popular price, has an oil finish.

Stamped in Rolls or Boxes.

L.D.BERGER  
IC  
OCTO

This plate carries an 8 lb coating. It is the cheapest plate we sell and is not stamped

Rolls or Boxes.

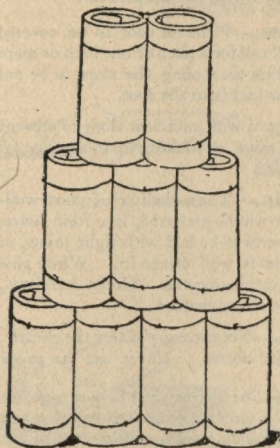
L.D.BERGER  
IC  
FIRE DOOR PLATE

This plate you should use to avoid trouble with the Board of Fire Underwriters

10 lb. Coated.

Boxes, 14x20. Stamped





## ROLL TIN

We carry in stock all grades of roofing tin—at all prices—put up in rolls of 28 sheets.

Every roll is perfectly straight and well painted on one side—painted right, too, not daubed here and there.

Try it, you will find it all that we claim.

**AT ALL PRICES.**

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## FIRE DOOR PLATE

The standard required by the NATIONAL BOARD OF FIRE UNDERWRITERS.

Prime terne plate I C thickness and 14 x 20-inch size to be used. Finished plates to weigh not less than 113 pounds net per box of 112 sheets, including at least 10 pounds of coating. Black plate to be of best quality basis open hearth soft steel, weighing 103 to 105 pounds, per box of 112 sheets before coating. Coating to be of an alloy of not less than 25 per cent pure new tin, nor more than 75 per cent pure new lead, applied by the pure palm oil process, no acid flux or flux of any kind other than pure palm oil being used. Plates to be resquared.

This is guaranteed—specify it.

## WORKING SPECIFICATIONS.

**Roof Construction.**—Plans for roof to be covered with flat-seam tin roofing shall call for a pitch of one inch or more to the foot. For standing-seam tin roofing the slope to be not less than one-third pitch, four inches to the foot.

**Gutters.**—To be designed with sufficient slope to prevent water standing in them after rains, or backing up in any case far enough to reach standing seams.

**Sheathing-Boards.**—These shall be of good well-seasoned, dry lumber, narrow widths preferred, free from holes, and of even thickness. Boards to be laid with tight joints, or tongued and grooved, nail heads well driven in. White pine and spruce make the best sheathing-boards. Green hemlock, chestnut, oak and ash are not recommended.

**Sheathing-Paper.**—Not necessary where the sheathing-boards are laid as specified above. Never use tar paper under tin.

**Standing-Seam.**—The sheets shall be put together in long lengths in the shop, the cross seams locked together and well soaked with solder. All standing-seam roofing shall be applied the narrow way, fastened with cleats spaced one foot apart.

**Flat-Seam.**—To be laid on the roof one sheet at a time, fastened to the sheathing-boards with cleats, using three cleats to each sheet, two on the long side and one on the short side—two one-inch barbed wire nails to each cleat, turning the end of the cleat over the heads of the nails. No nails to be driven through the sheets under any circumstances.

Valleys and gutters shall be formed with flat seams, using sheets the narrow way.

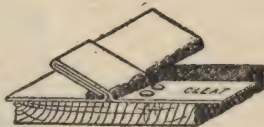
**Painting.**—Before laying, the tin to be painted one coat on the under side. The upper surface of the tin roof to be carefully cleaned of all rosin, dirt, etc., and immediately painted. Paint to be of pure metallic brown, iron oxide, or Venetian red as a pigment, mixed with pure linseed oil. No patent drier or turpentine to be used. All coats of paint to be applied with a hand-brush and well rubbed on.

**Solder.**—All solder used on this roof to be of the best grade, guaranteed Half and Half solder (half tin and half lead, new metals) using nothing but rosin as a flux.

## Flat-Seam Roofing



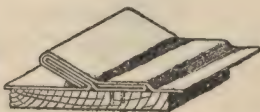
**Fig. 1.** First step; edges turned over



**Fig. 2.** Cleat inserted



**Fig. 3.** End of cleat turned over nail-heads



**Fig. 4.** Adjoining sheet in position



**Fig. 5.** Flat seam finished, showing cleat

## Standing-Seam Roofing

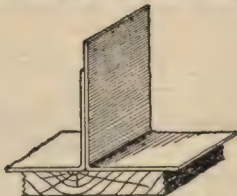


Fig. 6. Adjoining edges turned up

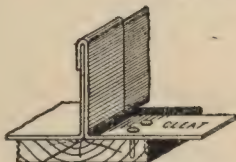


Fig. 7. Cleat inserted

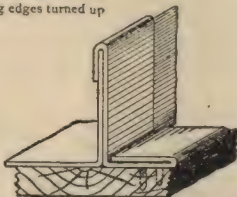


Fig. 8. End of cleat turned over nail-heads

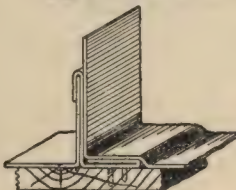


Fig. 9. Adjoining sheet in position

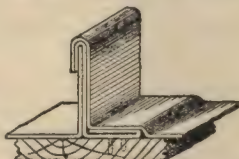


Fig. 10. First step in forming lock; top of sheet turned over

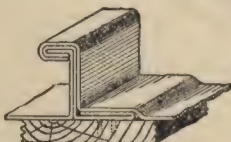


Fig. 11. Second step, showing seam turned half over

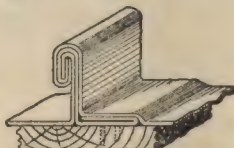


Fig. 12. Standing seam finished, showing cleat



# Selling Arguments

The chief advantages of tin roofing can be summed up briefly as follows:

1. **Durable.**
2. **A time-tried, long-established material.**
3. **Easily applied.**
4. **Adaptable to any surface.**
5. **Moderate first cost.**
6. **Low cost of maintenance.**
7. **Re-use, second-hand value.**
8. **Easily and quickly repaired, if damaged.**
9. **Neat, high-grade appearance.**
10. **Loses nothing in appearance with age.**
11. **Light in weight.**
12. **Not affected by heat or cold.**
13. **Gives protection against lightning.**
14. **Incombustible, and prevents spread of fire.**
15. **Weatherproof.**

A good tin roof is light in weight; it requires only a very light roof construction, which is in itself a very marked saving in the cost of any building. Slate, tile and tar roofs are very heavy, as the following table of weights of roofing materials will show: **Weight per Square (100 Square Feet)**

Tile (shingle) . . .	1200 to 1800 lbs.
Tile (Spanish) . . .	800 to 850 lbs.
Slate, 3/16 inch, good grade	650 to 700 lbs.
Four-Ply Slag . . .	525 to 575 lbs.
Three-Ply Slag . . .	350 to 450 lbs.
Shingles, spruce and pine	400 lbs.
Tin, 1C thickness, standing seam	65 lbs.

## BRIGHT TIN PLATE.



**BRIGHT  
COKES  
AND  
CHARCOAL  
FINISH  
OF  
DIFFERENT  
GRADES**

## FURNACE PIPE TIN IN STOCK.

**I. C. and I. X.**

20 x 23½	For 7-inch pipe
20 x 26½	" 8 "
20 x 28	" 8½ "
20 x 29½	" 9 "
20 x 32½	" 10 "
20 x 39½	" 12 "

I. C. Coke	14 x 20	20 x 28
I. X. "	14 x 20	20 x 28
I. C. Charcoal	14 x 20	20 x 28
I. X. "	14 x 20	20 x 28
2 X. "	14 x 20	20 x 28
3 X. "	14 x 20	20 x 28
4 X. "	14 x 20	20 x 28

## 4 X TINNED IRON.

36 x 84

40 x 96

## Black Sheets

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**AMERICAN BESSEMER**

**ONE PASS COLD ROLLED**



**Standard Sizes and Gauges always in Stock**

**LOWEST MARKET PRICES**

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**AMERICAN R. G. CLEANED  
BLACK SHEETS**



**CLEAN, SMOOTH,**

**UNIFORM COLOR,**

**EASTERN FINISH**

**Standard Sizes and Gauges always in Stock**

## Wood's Cleaned, Refined Black Sheets

UNIFORM DARK COLOR

SMOOTH, CLEAN SURFACE

PROMPT SHIPMENTS FROM MILL

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## Wood's Patent Planished Iron (AMERICAN RUSSIA)

Regular Gauges in Stock

Size, 28 x 60 inches

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## Genuine Russia Iron

Size, 28 x 56 inches

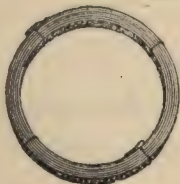
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## Wellsville Polished Sheets

In bundles of about 150 pounds each or in cases of  
300 pounds each

PROMPT SHIPMENTS FROM MILL

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## Hoop Iron.==Galvanized

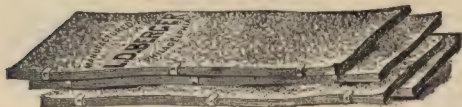
Sizes  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ , 1,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$  and 2 inch.

In coils of about 35 to 40 pounds.

LOWEST MARKET PRICES.



# Galvanized Steel Sheets



## SIZES IN STOCK

16x30x96	—	26x24x96	27x32x96
16x36x96	22x24x96	26x26x96	27x36x96
—	22x28x96	26x28x96	—
18x24x96	22x30x96	26x30x96	28x20x96
18x30x96	22x36x96	26x36x96	28x24x96
18x36x96	—	—	28x26x96
—	24x24x96	27x20x96	28x28x96
20x24x96	24x28x96	27x24x96	28x30x96
20x30x96	24x30x96	27x26x96	28x32x96
20x36x96	24x36x96	27x28x96	28x36x96
—	—	27x30x96	—



## Sheet Metal Work That Resists Time And The Elements

Is the kind that wins customers and holds them, and by satisfactory service encourages and builds up the demand. That's why up-to-date Sheet Metal Workers all over the country are adopting

## Genuine Iron Galvanized Sheets

## Sheet Copper.

SIZE OF SHEETS.		64 oz. & over 50 lb. sheet 30 & 60 and heavier	32 oz. to 64 oz. lb. sheet 30x60	24 oz. to 32 oz. 18 1/4 to 25 lb. sheet 30x60	16 oz. to 24 oz. 12 1/4 to 18 3/4 lb. sheet 30x60	14 oz. and 16 oz. 11 to 12 1/4 lb. sheet 30x60	12 oz. and 13 oz. 9 1/4 to 11 lb. sheet 30x60
Widths.	Lengths.	Cents Per Pound.				Over Base.	
Not Wider than 30 inches.	Not longer than 72 inches.	Base	Base	Base	Base	1	2
	Longer than 72 inches. Not longer than 96 inches.	Base	Base	Base	Base	1	3
	Longer than 96 inches.	Base	Base	Base	Base	2	6
Wider than 30 inches but not wider than 36 inches.	Not longer than 72 inches.	Base	Base	Base	Base	2	4
	Longer than 72 inches. Not longer than 96 inches.	Base	Base	Base	Base	2	6
	Longer than 96 inches. Not longer than 120 inches.	Base	Base	Base	1	3	
	Longer than 120 inches.	Base	Base	1	2		
Wider than 36 inches but not wider than 48 inches.	Not longer than 72 inches.	Base	Base	1	2	4	7
	Longer than 72 inches. Not longer than 96 inches.	Base	Base	1	3	5	8
	Longer than 96 inches. Not longer than 120 inches.	Base	Base	2	4	8	
	Longer than 120 inches.	Base	1	3	6		
Wider than 48 inches but not wider than 60 inches.	Not longer than 72 inches.	Base	Base	1	3	6	11
	Longer than 72 inches. Not longer than 96 inches.	Base	Base	2	4	9	
	Longer than 96 inches. Not longer than 120 inches.	Base	1	3	6		
	Longer than 120 inches.	1	2	4	8		
Wider than 60 inches but not wider than 72 inches.	Not longer than 96 inches.	Base	1	3	8		
	Longer than 96 inches. Not longer than 120 inches.	Base	2	5	10		
	Longer than 120 inches.	1	3	8			
Wider than 72 inches but not wider than 108 inches.	Not longer than 96 inches.	1	3	6			
	Longer than 96 inches. Not longer than 120 inches.	2	4	7			
	Longer than 120 inches.	3	5	9			
Wider than 108 inches.	Not longer than 132 inches.	4	6				
	Longer than 132 inches.	5	8				

# PERFORATED TIN

TWO SIZES.

10 x 14 and 14 x 20.

Nos. 1, 2, 3 and 4.

# SHEET COPPER

STOCK SIZES AT MARKET PRICES.

Table of Weight per Square Foot, and Thickness per Stub's Wire Gauge.

Leading sizes as follows.

Stub's Gauge (nearest No.)	Thickness in decimal parts of 1 inch	Ounces per square foot	14	14	24	24	28	30	30
			"	"	"	"	"	"	"
			48	60	48	96	96	60	96
			lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
29	.0134	10	2.91	3.64	5	10	11.65	7.81	12.50
27	.0161	12	3.50	4.38	6	12	14.00	9.37	15.00
26	.0188	14	4.08	5.10	7	14	16.32	10.93	17.50
25	.0215	16	4.66	5.83	8	16	18.64	12.50	20.00
23	.0242	18	5.25	6.56	9	18	21.00	14.06	22.50
22	.0269	20	5.83	7.29	10	20	23.32	15.62	25.00

These weights are theoretically correct, but variations must be expected in practice.

# SHEET ZINC

Leading Sizes. Lowest Market Prices per Pound.

SCHEDULE OF WEIGHT PER SHEET.

U. S. Standard Gauge No.	26, 27	25	24	23
M. & H. Zinc Gauge No.	9	10	11	12
24 x 84 inches .....	9.4	10.5	12.6	14.7
30 x 84 inches .....	11.7	13.1	15.8	18.4
32 x 84 inches .....	12.5	14.0	16.8	19.6
36 x 84 inches .....	14.1	15.7	18.9	22.0
40 x 84 inches .....	15.6	17.5	21.0	24.5
42 x 84 inches .....	16.4	18.4	22.0	25.7
48 x 84 inches .....	18.8	21.0	25.2	29.4
52 x 84 inches .....	20.3	22.7	27.3	31.8

Zinc Gauge can be maintained only approximately.

# Corrugated Sheet Iron

PAINTED OR GALVANIZED.

We desire to call your attention to the following illustrations of Corrugated Sheet Iron for Roofs, Sides, Ceilings and Partitions for fire-proof buildings.

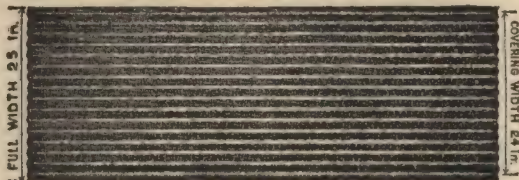


Fig. 10

Corrugations one and one-quarter inches from centre to centre, and three-eighths of an inch deep. This is used mostly for Ceilings, Sidings and Partitions. Sheets when corrugated measure 25 inches wide, and will cover 24 inches from centre to centre of outside corrugations.



Fig. 12

Corrugations two and one-half inches from centre to centre, and five-eighths of an inch deep. This style is suitable for Roofing, Siding, Partitions, Curved Ceilings and Awnings. Sheets when corrugated measure 26 inches wide, and will cover 24 inches from centre to centre of outside corrugations.

Corrugated Sheets, 5, 6, 7, 8, 9 and 10 feet in length. In any gauge from No. 16 to 28 inclusive.

Painted or Galvanized. Lowest Market Prices.



## Two Inch Corrugated Ridge Roll



FOR PLAIN RIDGE ROLL SEE PAGE 112.

## Corrugated End Wall Flashing



No. 28 Gauge. Per Lineal Foot.

Painted Galvanized

2 inch, Ridge Capping .....	\$0 12	\$0 15
End Wall Flashing.....	14	17½

Discount.....per cent.

## LEAD WASHERS

Full Size.



No. 12.

(3-32 in. hole)

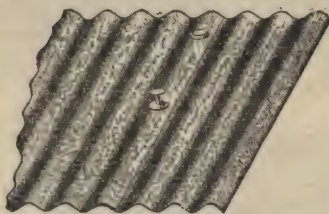
Full Size.



No. 8.

(5-32 in. hole)

One pound  
contains over  
300 Washers.



Price per pound.....\$



Actual size  
of Washer  
and Nail.

The illustration shows the application of **Lead Washer** to **Corrugated Iron Roofing and Siding**. The advantage in using same is that it makes an absolutely **water-tight joint**, prevents **leaking** and **rusting** at the nail hole, thereby prolonging the life of a **roof**.

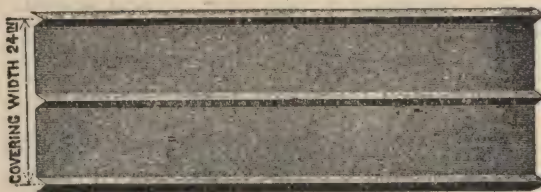
About one pound of these Washers are required to lay three squares of corrugated roofing.

About one pound of 1½ inch Barbed Roofing Nails are required to lay one square of corrugated roofing.

SEMI-STEEL  
V Crimp Roofing



Three Crimp Roofing.



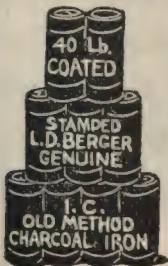
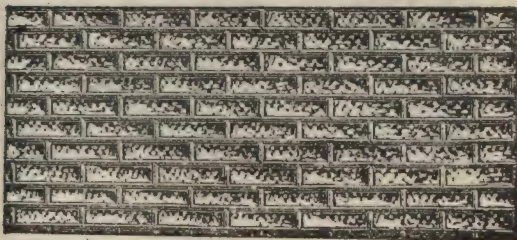
Berger's Self-Capping Steel Roofing



## Berger's Pressed Steel Brick.



## Rock Face Brick Siding.



## Roofing Tin at All Prices

Every Roll perfectly straight  
and well painted, not  
daubed here and  
there

## Beaded Sheets.

Fig. 16.



## Weather-Board Siding.

Fig. 17.



## Rock-Faced Stone Siding.



## Prepared Roofing, Tarred and Slaters' Felts

### SLATERS' FELT

Rolls, 30 lbs., 500 square feet, price \$

### SINGLE PLY TARRED FELT

About 12 lbs., per 100 square feet

Price, per ton . . . . . \$

### TARRED READY ROOFING

2-ply, about 35 lbs. per square, price \$

3-ply, about 55 lbs. per square, price \$

### RED ROSIN

### SIZED SHEATHING

Weatherproof Brand

No. 20, about 20 lbs. per roll, 500  
square feet . . . . . per roll \$

No. 40, about 40 lbs. per roll, 500  
square feet . . . . . per roll \$

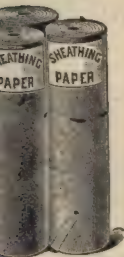
### ASBESTOS BUILDING PAPER

This sheathing is manufactured from a mineral fibre, possessing the highest fire proof and non-conducting qualities, rendering it a valuable protection against fire and is extensively used for covering heater pipes, and similar purposes.

Furnished in rolls 36 inches wide, graded 6, 8, 10, 14 and 16 pounds per 100 square feet, and in rolls of 50 and 100 pounds each.

Price in 1000 lb. lots or more, \$ per  
100 lbs., net.

Price less than 1000 lb. lots, \$ per  
100 lbs., net.



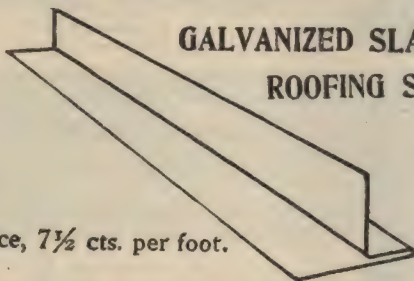


# Mineral Asphalt

## Gravel Roofing



**Standard  
For all  
Purposes**



**GALVANIZED SLAG  
ROOFING STOP**

**Price, 7½ cts. per foot.**



**GRAVEL ROOFING BUCKETS.**

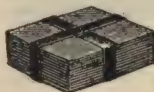
Size, 12 x 12, ..... \$1.25 Net.

" 12 x 14, ..... 1.50 Net.

2 small and 1 large make a set.

## Tin and Galvanized Flashings.

One hundred pieces in a bundle.



4 x 5

5 x 7

7 x 10

**Price Per 100.**

**Tin**

\$ 60

85

1 50

**Galv**

\$1 00

1 50

3 00

## Standing-Seam Roof Irons.

Patented October 31, 1893.



No. 1.

	Per 100.	Black.	Galv'd.
No. 1, for standing seam.....		\$ 6 00	\$ 8 00
No. 2, for slate roof (shoe only).....		4 50	5 50
No. 2, for slate roof, complete .....		8 00	11 00

Discount.....per cent.

The No. 2, complete, is riveted on  $\frac{1}{4}$  x  $1\frac{1}{4}$  inch iron plates, 14 inches long, to go 9 inches under the slate.

This novel device is designed to do away entirely with either snow rails or gutters formed on the roof to prevent the snow from sliding down.

It is very ornamental on a roof, and must be seen to be fully appreciated.



No. 2.

## Repair Spikes.

Per 100—Black.

Inches .....	7	9	12
For $\frac{1}{4}$ inch Bead.....	\$2 50	\$3 00	\$4 00

A handy article to straighten up twisted gutter.



## Gutter Spikes.

Per 100—Black.

Inches .....	4	4½	5	6
Short Drive, No. 1....	\$3 00	\$3 50	\$4 00	\$4 50
Long Drive, No. 2....	4 00	4 50	5 00	5 50

Where this can be used there is nothing handier or stronger—a first-class ice breaker.

## Wrought Iron Hangers.



We have first-class facilities to cut, punch, ream holes, and cold bend to shape and galvanize on short notice.

Send full size drawing, showing the pitch of the roof, high end and low end of gutter, size of iron, and number of hangers to each continuous fall. Also state if gutter is to be wired up on the roof in addition to the Bead Straps.

## Gutter Stop Irons.



$1\frac{1}{4}$  x  $9\frac{1}{4}$  inches, each.....\$ 25

# BERGER'S FAVORITE GUTTER HANGERS



No. 7

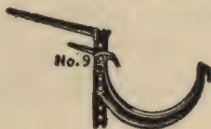
No. 7 is made to drive from 3 to 4 inches square in the cornice. The lower prong forms a brace for the upper, and makes it very strong and firm.



No. 8

No. 8 is made to drive from 3 to 6 inches square in the cornice.

This iron is intended for eaves where the shingles project far over the cornice.



No. 9

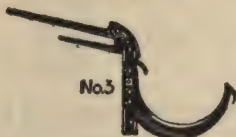
No. 9 is to drive with the pitch of the roof. Same length as No. 7.

Suited for narrow molded cornice.



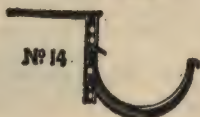
No. 13

No. 13 drives with the pitch of the roof. Same length as No. 8.



No. 3

No. 3 is same as No. 8 or 13. Hinged to drive to or with any pitch desired.



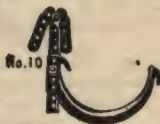
No. 14

No. 14 is made to drive in brick or stone joints.

LIST ON PAGE 29

# THESE HANGERS MAKE THE GUTTER EXCEED- INGLY STRONG AND ORNAMENTAL.

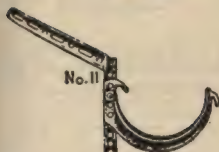
Architects Indorse Them Everywhere. The only Hanger to Leave an Open,  
Clear, Expanding Gutter.



No. 10 is made to nail against square  
box cornices.



No. 6 is made specially to nail  
against O. C. moldings. The two  
stays are made to fit in the cove and  
can be bent to suit variation.



No. 11 is especially adapted to barns,  
mills and factories, where the rafters  
are exposed. The shank is nailed to  
the side of rafter, assorting the 4, 6 1/2  
and 9 inch shank to correspond with  
the amount of fall required. If more  
fall is desired, use the extension shank,  
to bolt on the end.



No. 12 is made 1/4 pitch to fasten  
under the shingles or slate, and are  
bent to suit the pitch. The holes on  
top of the shank are made beveling so  
that the nail can be driven at any  
point and enter the shank.

No. 15 is made for flat roofs.

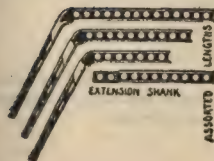
No. 25 is made for steep roofs.

## SHANKS.

ASSORTED LENGTH.

All orders are filled with assorted  
length shanks unless otherwise or-  
dered.

LIST ON PAGE 29



BERGER'S

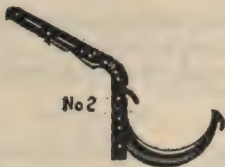
## Gutter Hangers,

The Handiest and Best ever  
Invented,

Patented August 11, 1883.

Patented July 6, 1886.

Patented June 11, 1890.

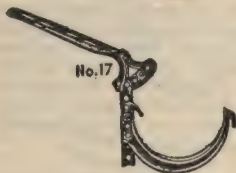


No. 2



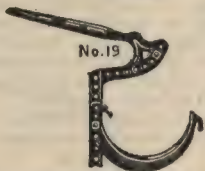
No. 16

No. 2 is nailed to the side of rafter in any desired angle. The hinge allows great variations in the pitch.



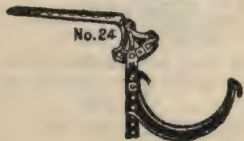
No. 17

No. 16 is fastened under the shingles; the hinge and circle both adjust to every one-eighth inch.



No. 19

No. 17 is fastened under the shingles; the hinge and circle both adjust to every one-eighth inch.



No. 24

No. 19 is used either on top or under the shingles, and suited for short projections of the shingles over the mouldings.

No. 24 is hinged to bolt on corrugated or other iron roofs, for awnings, mills, and factories.



## BERGER HANGERS.



No. 1

No. 1 is clamped direct to the metal roof, needing only one bolt through the iron. A valuable article for awnings and corrugated roofs.

No. 20 is hinged for any pitch, can be nailed or screwed to various shaped mouldings at any angle desired.



No. 20



No. 5

No. 5 will span over various shaped mouldings and is easily bent larger or smaller before nailing to the eave.



Royal Circle.



Penn Circle.



Gem Circle.

### SHANKS—Per 100

#### Plain Black

#### Tinned

Nos. 7, 9 .....	\$2.00	\$2.50
Nos. 8, 10, 11, 13 .....	3.00	3.75
Nos. 6, 12, 14, 15, 20, 25 .....	3.50	4.40
Nos. 2, 3, 5 .....	4.00	5.00
Nos. 1, 16, 17 .....	5.00	6.25
No. 19, with bolt for hinge .....	6.00	7.50
No. 16, Extra extra heavy shanks, complete .....	10.00	12.50
Extension shank with bolt .....	2.00	2.50
Stems only, Nos. 1, 2, 3, 5, 16, 17, 20 .....	2.00	2.50
Stems only, No. 19 .....	2.50	3.10
All long shanks—Nos. 7, 8, 9, 11, 12, 25, add to list .....	1.00	1.25
All long shanks—Nos. 6, 10 .....	.50	.65

Other numbers are not made to furnish all long. When they are required longer than the regular style, use Extension Shanks.

One bolt included with each Hinged Shank.

### GEM AND PENN CIRCLES—Per 100

#### With Bolts and Straps

#### Plain Black

#### Tinned

3, 3½, 4-inch .....	\$2.00	\$2.50
4½, 5-inch .....	3.00	3.75
6-inch .....	4.00	5.00
7-inch .....	5.00	6.25
8-inch .....	6.00	7.50

Additional Bolts and Straps are charged extra

## PRICE LISTS

## BERGER'S GUTTER HANGERS

Made of SOLID BRASS

NOTICE—Do not use the regular discount on these goods. A special discount will be quoted on application.

## SHANKS

Per 100		Per 100	
No. 1.....	\$25 00	No. 12.....	\$21 50
No. 2.....	21 00	No. 13.....	17 00
No. 3.....	24 00	No. 14.....	19 50
No. 5.....	19 50	No. 15.....	21 50
No. 6.....	18 50	No. 16.....	26 50
No. 7.....	12 00	No. 17.....	29 50
No. 8.....	18 00	No. 19.....	33 00
No. 9.....	12 00	No. 20.....	18 00
No. 10.....	15 50	No. 24.....	26 50
No. 11.....	18 00	No. 25.....	21 50

One Brass Bolt included with each Hinged Shank.

## CIRCLES

With Brass Bolts and Straps

OEM CIRCLES		PENN CIRCLES	
Per 100		Per 100	
3 inch.....	\$9 50	3 ½ inch.....	\$12 50
3 ½ inch.....	11 00	4 inch.....	14 50
4 inch.....	13 00	4 ½ inch.....	16 50
4 ½ inch.....	15 00	5 inch.....	17 00
5 inch.....	16 50	6 inch.....	22 00
6 inch.....	21 00	7 inch.....	30 00
7 inch.....	30 00	8 inch.....	35 00
8 inch.....	35 00		

Additional Brass Bolts and Straps are charged extra.

ALWAYS state number of Shank wanted.

ALWAYS state KIND and SIZE of Circle wanted.

## Clamp Hangers



Per 100, Leaded.

	Single Bead	Double Bead
3 1/2 inch.....	\$4.75	\$.....
4 inch.....	5.00	5.50
5 inch.....	5.50	6.00
6 inch.....	6.00	6.50
Shank only .....	3.00	.....

Always state whether Single or Double Bead Hangers are wanted.

## Berger Imperial Hanger

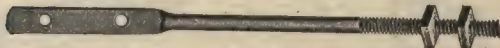


### PRICE LIST

	Per Gross	With Rods	With Straps
3 inch.....	\$3.75		\$3.50
3 1/2 inch.....	4.00		3.50
4 inch.....	4.25		3.75
4 1/2 inch.....	4.35		3.85
5 inch.....	4.50		4.00
6 inch.....	5.00		
7 inch.....	6.00		
8 inch.....	8.00		

Double Bead Hangers  
25 cents per gross to list.

## Eave Trough Hanger Rods



1/4 inch diameter—7, 9, 10 and 11 inches long.  
Price per gross, \$2.25.

## HANGER TONGS



For Clinching Hangers.

A handy valuable tool for many other purposes.

Price..... \$ .30



# Berger's Patent Pipe Fastener.



per 100, complete.

No. 0, for brick, 3 inch .....	\$3 50
No. 1, for brick or stone, 4½ inch .....	4 00
No. 2, for stone, 6 inch .....	5 00
No. 3, for stone, 9 inch .....	6 50
No. 4, for wood, 3 inch .....	3 50
No. 5, for wood, 5 inch .....	4 00
No. 6, to nail on wood .....	3 50
No. 7, to screw in wood .....	3 50
Discount.....	per cent.

This fastener must be seen and used to be appreciated, and is destined to supersede every other device now in the market.

It can be soldered or riveted on all kinds and sizes of pipes, and used either end up, right or left hand, or in any other position desired, and allows enough variation to let the pipe slip together till it is tight in the joints, as all pipe should be to prevent rattling. Needs no close measuring on the wall to find a joint for the drive, and combines a handy, perfect, solid, concealed fastener in every respect.

The racks being long, with clips at each end to solder, lessen the strain, and are not liable to become loose. The drives being made in various lengths and styles, do not require a large assortment to fasten pipes to wood, brick, or stone, to any distance from the wall, and is just the article wanted for every purpose.



## PRICE LIST

### on Drives only

No. 0, for brick, 3 inch.....	\$1 50
No. 1, for brick or stone, 4½ inch .....	2 00
No. 2, for brick or stone, 6 inch .....	3 00
No. 3, for stone, 9 inch.....	4 50
No. 4, for wood, 3 inch.....	1 50
No. 5, for wood, 5 inch.....	2 00
No. 6, to nail on wood.....	1 50
No. 7, to screw in wood.....	1 50
Discount.....	per cent.





## Pipe Cleats.

Price per 100.

3 inch, tinned .....\$1 50

This Cleat makes a handsome finish on porch columns; no tinner should be without them; they will answer for all kinds of pipe.



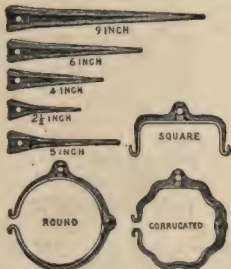
## Pipe Cleats.

Price per 100.

No. 5, tinned .....\$2 50

This Cleat is fastened lengthwise for slipped joints and will answer for all sizes or kinds of pipe.

Put up 50 in a package.



## Clasp Pipe Hooks

Per 100, Tinned.

Inches	3	4	5	6
Round Clasps.....	\$3 00	\$4 00	\$5 00	\$6 00
Corrugated Clasps	3 00	4 00	5 00	6 00
Square Clasps.....	1 50	2 50	3 50	
2½ inch wood drive .....				\$1 50
5 inch wood drive .....				2 00
4 inch brick drive .....				2 00
6 inch brick drive .....				3 00
9 inch brick drive.....				4 50

Discount..... per cent.

The advantages are, that with a small assortment of Clasps and Drives, a variety of pipe can be fastened to wood, brick or stone, at any distance from the wall.

## Barb Roofing Nails.



The kind that don't get rattled when you hit them on the heads, but stick to you until they are driven home.

¾—¾—1—1¼—1½—Inches

3 and 4 Penny Black and Galvanized Slating Nails, subject to market prices.



## Corrugated Hinged Hooks.

Per 100, Tinned.

Inches.....	2	3	4	5	6
For wood....	\$3 00	\$4 00	\$5 00		
For brick....	3 50	4 50	5 50	7 50	8 50

Discount.....per cent.

2, 3 and 4 inch long Corrugated Wood Hooks;  
same price as brick



## Round Hinged Hooks.

Per 100, Tinned.

Inches.....	2	3	4	5	6
For wood....	\$3 00	\$4 00	\$5 00		
For brick....	3 50	4 50	5 50	7 50	8 50

Discount.....per cent.



## Square Wired Hooks.

Per 100, Tinned.

Inches.....	2	3	4	5
For wood.....	\$2 00	\$2 50	\$3 00	\$3 50
For brick.....	2 50	3 00	3 50	4 00

Discount.....per cent.



## Hall's Conductor Fasteners.

'Per 100 sets, net.....\$5 00



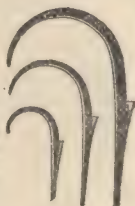
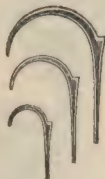
## Corrugated Hooks.

Patented.

Price, per 100.

	Wood Tinned.	Brick Tinned.
2 inch .....	\$1 50	\$1 75
3 " .....	2 50	2 75
4 " .....	3 50	4 25

## Conductor Hooks.



Per 100, Tinned.		
	For Wood.	Brick.
2 inch.....	\$1 50	\$1 75
2½ ".....	2 00	2 00
3 ".....	2 50	2 75
3½ ".....	3 00	3 50
4 ".....	3 50	4 25
5 ".....	5 00	6 00
6 ".....	6 00	7 50

Discount..... per cent.



## Flashing Hooks.

	Per 100.				
Inches.....	1½	2½	3½	5½	7½
Black..... \$	25	40	70	1 50	2 00
Tinned.....	35	55	1 00	2 00	2 50

Discount..... per cent.



## Wall Nails.

In 10-lb. boxes. Full size.

Per pound.....\$



## Ornamental Pipe Straps.

Patented March 4, 1890.

Inches..... ¼, ⅜, ½, ¾, 1, 1¼, 1½, 2

Malleable Iron, per pound.....\$

Wrought Iron, " " .....

" " in 5 lb boxes.....

Neat, clean cut, round ends. Uniform in thickness, handsomely tinned, first-class stock.

## Gas Pipe Hooks.

Per 100.	Wrought,	Malleable,
$\frac{3}{8}$ inch.....	\$ 23	\$ 23
$\frac{1}{2}$ " .....	28	28
$\frac{5}{8}$ " .....	33	33
$\frac{3}{4}$ " .....	47	47
1 " .....	60	60
$1\frac{1}{4}$ " .....	75	75
$1\frac{1}{2}$ " .....	95	95
2 " .....	1 25	25

Discount on Wrought.....per cent.

Discount on Malleable.....per cent.

## Plumbing Hooks.

Per 100.	Wrought,	Malleable.
$\frac{3}{8}$ inch.....	\$ 47	\$ 50
$\frac{1}{2}$ " .....	50	60
$\frac{5}{8}$ " .....	58	75
$1\frac{1}{4}$ " .....	65	1 00
$1\frac{1}{2}$ " .....	73	1 50

Discount on Wrought.....per cent.

Discount on Malleable.....per cent.

Notice :—Malleable are shaped to fit the pipe.

## Soil Pipe Hooks.

PER 100. BLACK.

	Wrought.	Malleable.
2 inch.....	\$ 2 15	\$ 2 25
3 " .....	3 60	3 25
4 " .....	5 25	4 25
5 " .....	8 00	5 25
6 " .....	9 25	6 25

DISCOUNT

on Wrought.....per cent.

DISCOUNT

on Malleable.....per cent.

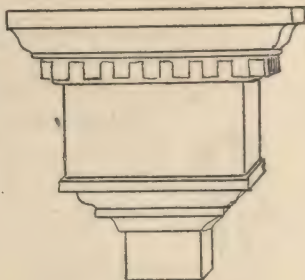
Notice :—Malleable have grooved drives to retain the mortar

## CONDUCTOR HEADS,

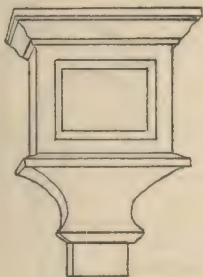
MADE OF  
GALVANIZED IRON.



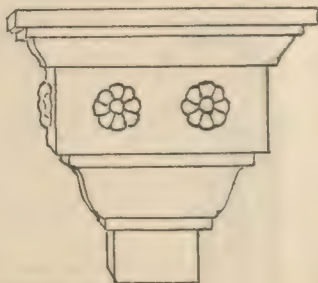
No. 53. Each, \$4.50



No. 56. Each, \$4.00



No. 54. Each, \$4.50



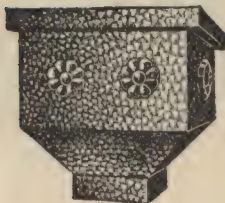
No. 57. Each, \$4.00



# CONDUCTOR HEADS

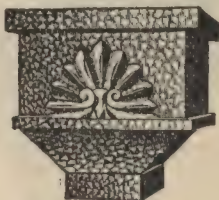
MADE OF

GALVANIZED IRON.



No. 1

Each.....\$3.00



No. 3

Each.....\$3.50



No. 5

Each.....\$3.50



No. 7

Each.....\$3.75

Price for Copper Quoted on Application.

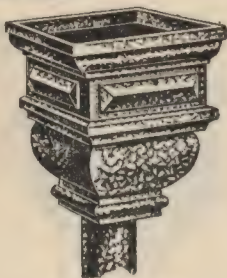
# Conductor Heads,

MADE OF  
GALVANIZED IRON.



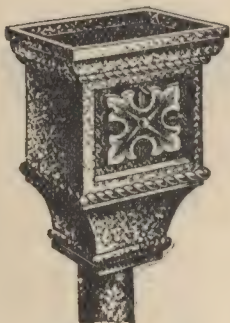
No. 2.

Each.....\$4.50.



No. 4.

Each.....\$6.00.



No. 6.

Each.....\$6.50.



No. 8.

Each.....\$7.00.

Price for Copper Quoted on Application.

# Conductor Heads



No. 10

Each ..... \$5.50



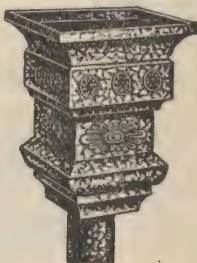
No. 12

Each ..... \$4.50



No. 14

Each ..... \$5.00



No. 16

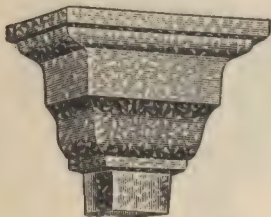
Each ..... \$5.50

Scale, one inch to the foot

OTHER STYLES MADE TO ORDER.

## Conductor Heads

Number 15



Face  $8\frac{1}{2}$ , depth  $5\frac{1}{2}$  in.

Height 7 in

List,.....\$2.50

Number 13

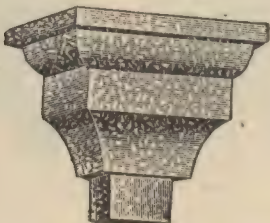


Face  $8\frac{1}{2}$ , depth  $5\frac{1}{2}$  in.

Height 6 in

List,.....\$3.00

Number 17



Face 8 in.

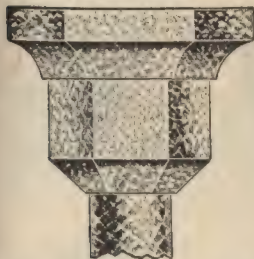
Depth 5 in.

Height  $6\frac{1}{2}$  in.

List,.....\$2.00

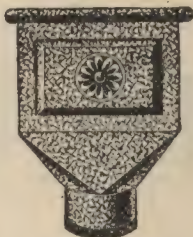
## CONDUCTOR HEADS

Number 9



Face 9 in. Depth 9 in  
Height 14 in  
List, \$3.00

Number 20



Face 12 depth 7 in.  
Height 14 in.  
List, \$3.00

Number 11



Face 9 in  
Depth 6 in  
Height 7 in  
List, \$3.00



## Conductor Heads

Made of Best Galvanized Iron

Prices on Copper Heads quoted on application.

No. 280.



For 3 in. pipe.....\$ .24  
For 4 in. pipe......35  
For 5 in. pipe......48

No. 281.



For 3 in. pipe.....\$1.00  
For 4 in. pipe......1.25  
For 5 in. pipe......1.50

No. 282.



For 3 in. pipe.....\$1.25  
For 4 in. pipe......1.50  
For 5 in. pipe......1.75

No. 283.



For 3 in. pipe.....\$1.50  
For 4 in. pipe......1.75  
For 5 in. pipe......2.00

No. 284.



For 3 in. pipe.....\$1.75  
For 4 in. pipe......2.00  
For 5 in. pipe......2.25

No. 285.



For 3 in. pipe.....\$1.25  
For 4 in. pipe......1.50  
For 5 in. pipe......1.75

No. 286.



For 3 in. pipe.....\$2.25  
For 4 in. pipe......2.75  
For 5 in. pipe......3.25

No. 287.



For 3 in. pipe.....2.50  
For 4 in. pipe......3.00  
For 5 in. pipe......3.50

No. 288.



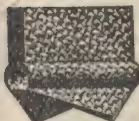
For 3 in. pipe.....2.50  
For 4 in. pipe......3.00  
For 5 in. pipe......3.50

## Galvanized Cresting Blocks

Height from top of roll, 4 inches; length, 8 inches.

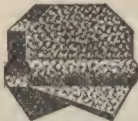
In ordering, state size of roll on which they are to be used.

No. 102.



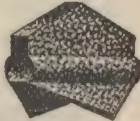
Price, each.....25 cents

No. 104.



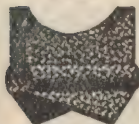
Price, each.....25 cents

No. 105.



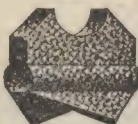
Price, each.....25 cents

No. 106.



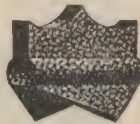
Price, each.....25 cents

No. 107.



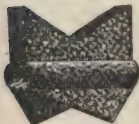
Price, each.....30 cents

No. 108.



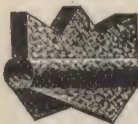
Price, each.....30 cents

No. 112.



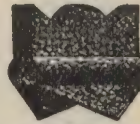
Price, each.....25 cents

No. 113.



Price, each.....30 cents

No. 114.



Price, each.....30 cents

## V ANGLE RIDGE CAP

Made of Galvanized Steel.

In Three Sizes.



3 inch Apron.	Girt, 6 inches.	Price, per foot.....	\$ .13
3 ½ inch Apron.	Girt, 7 inches.	Price, per foot.....	.14
4 inch Apron.	Girt, 8 inches.	Price, per foot.....	.16

Discount.....per cent.



## Galvanized Steel Ridging

Unless otherwise specified we always ship 2 inch.



Diameter of Roll, inches.....	1 ¼	1 ½	2	2 ½	3
Width of Apron, inches.....	2	2	2 ½	3	3 ½
Girt, inches.....	7	8	10	12	14
Price, per foot.....	\$ .16	\$ .18	\$ .21	\$ .25	\$ .30

Discount.....per cent.

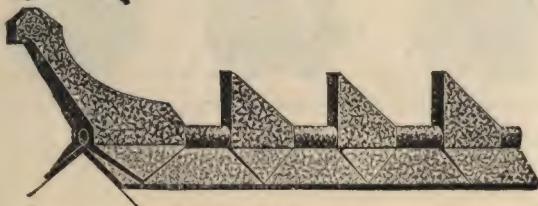


## Cresting Blocks and Finials

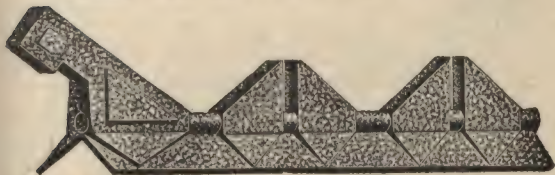
Galvanized Steel to fit 2 inch Ridge Roll.  
Size 6 inches long, 5 inches high above Roll.

Can be adjusted to make various designs.

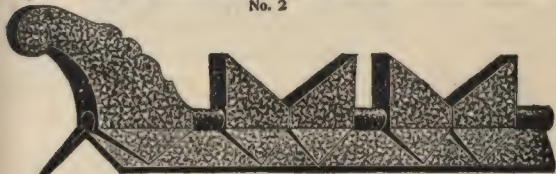
They need no soldering; simply nailed through the flange.



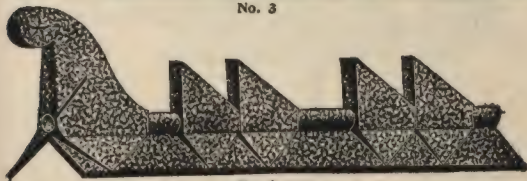
## CRESTING BLOCKS AND FINIALS



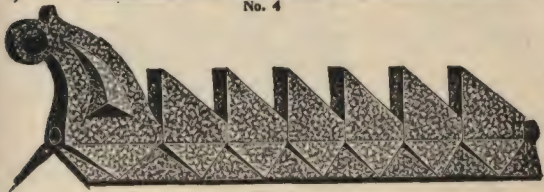
No. 2



No. 3



No. 4



No. 5

Cresting Blocks, per 100.....	\$20.00
No. 1 Finial, 13 1/2 inches high, each.....	1.30
Nos. 2 and 3 Finials, 11 inches high, each.....	1.50
Nos. 4 and 5 Finials, 13 inches high, each.....	1.80

*Discount.....per cent.*

**Style D.**

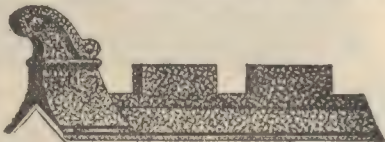
Height, 7 inches.  
Apron, 6 inches.

Cresting, per  
foot.....\$ 30  
Finial..... 1 25

**Style E.**

Height, 11 inches.  
Apron, 6 inches.

Per foot.....\$ 40  
Finial..... 2 00

**Style F.**

Height, 11 inches.  
Apron, 6 inches.

Per foot.....\$ 44  
Finial..... 2 00

**Style G.**

Height, 11 inches.  
Apron, 6 inches

Per foot.....\$ 46  
Finial..... 2 25

**Style H.**

Height, 11 inches.  
Apron, 6 inches.

Per foot.....\$ 48  
Finial..... 2 00





### Style J

Height, 11 inches.  
Apron, 6 inches.

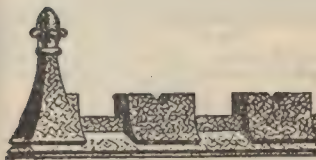
Per foot.....\$ 50  
Finial..... 3 00



### Style K.

Height, 11 inches.  
Apron, 6 inches.

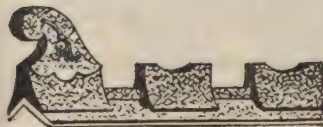
Per foot.....\$ 50  
Finial, 28 inch..... 4 00



### Style L.

Height, 11 inches.  
Apron, 6 inches.

Per foot.....\$ 63  
Finial, 22 inch..... 2 93



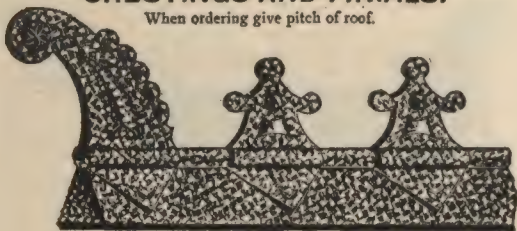
### Style M.

Height, 10 1/4 inches.  
Apron, 6 inches.

Per foot.....\$ 64  
Finial, 18 inch..... 2 53

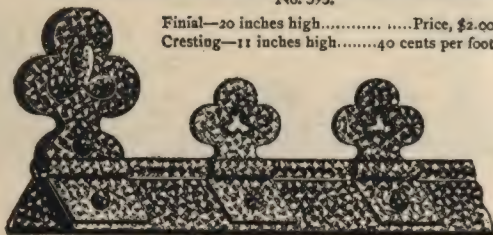
**CRESTINGS AND FINIALS.**

When ordering give pitch of roof.



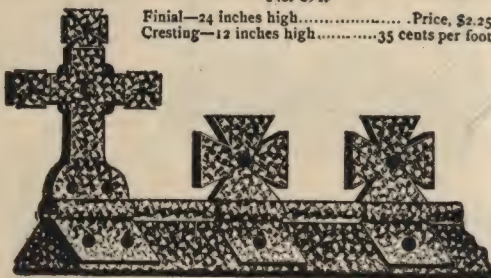
No. 593.

Finial—20 inches high.....Price, \$2.00.  
 Cresting—11 inches high.....40 cents per foot.



No. 594.

Finial—24 inches high.....Price, \$2.25.  
 Cresting—12 inches high.....35 cents per foot.



No. 595.

Finial—30 inches high.....Price, \$3.50  
 Cresting—15 inches high.....50 cents per foot.

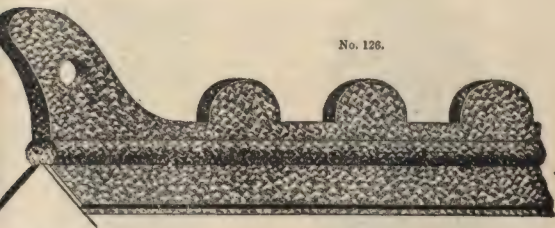
## Finials and Block Cresting

Made of No. 28 Galvanized Steel. Prices on Copper quoted upon application.

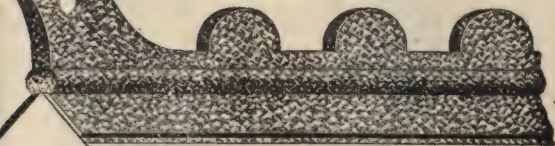
We can make any shape, style or size desired.

In ordering, please give the exact pitch of the roof. Crating charged for at cost.

No. 125.



No. 126.

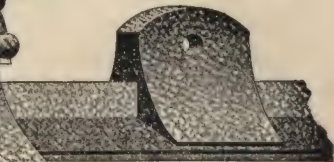


Finial No. 125—Height, 14 inches..... Price, each, \$1.50  
Cresting No. 126—Height, 9 inches; width of Apron, 8 inches..... Price, per foot, 45 cents

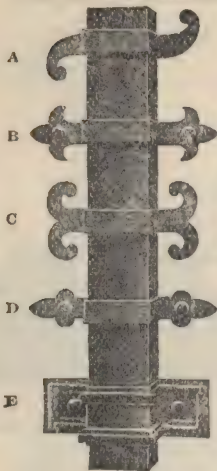
No. 139.



No. 140.



Finial No. 139—Height, 20 inches..... Price, each, \$1.00  
Cresting No. 140—Height, 22 inches; width of Apron, 4 inches..... Price per foot, 80 cents



## Ornamental Conductor Straps

**GALVANIZED**

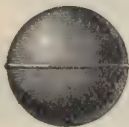
To fit Conductor Pipe of the following sizes:

	2x3	3x4	4x5	5x6
Style A....	\$0.60	\$0.80	\$0.65	\$0.70
B....	.40	.40	.45	.50
C....	.60	.60	.65	.70
D...	.40	.40	.45	.50
E...	.80	.85	.95	1.00

*Discount..... per cent.*

## Zinc and Copper Balls

**IN HALVES**



Sizes .....	1	1½	2	2½	3	3½ inch
Zinc, each.....	\$ 40	40	40	.40	.40	.60
Copper, each..\$	40	40	40	.40	.60	.60

Sizes .....	4	5	6	7	8	9 inch
Zinc, each.....	\$ 60	60	72	1.00	1.20	1.80
Copper, each..\$	60	80	1.20	1.80	2.80	4.00

Sizes .....	10	12	14	15	16	18	20	24 inch
Zinc, each.....	\$2.40	3 00	8 40	10.60	12.60	17.00	20.00	36.00
Copper, each..\$	5.40	8 00	15.00	19.00	26.00	32.00	48.00	70.00

*Discount..... per cent.*

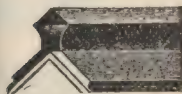
# Ornamental Galvanized Steel Ridgings.

PRICE, PER FOOT.



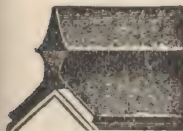
## Style A.

Height, inches...	4½	6	8
Girt .....	12	15	20
Apron .....	2½	3½	4½
Price .....	\$ 15	\$ 19	\$ 25



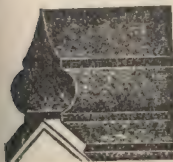
## Style B.

Height, inches...	4½	6	8
Girt .....	12	15	20
Apron .....	2½	3	4½
Price .....	\$ 15	\$ 19	\$ 25



## Style C.

Height, inches...	6½	8	10
Girt .....	15	20	24
Apron .....	3	4	4½
Price .....	\$ 19	\$ 25	\$ 30



## Style D

Height, inches..	8	9½	12
Girt .....	20	24	30
Apron .....	4½	5	6
Price .....	\$ 26	\$ 31	\$ 38½



# Hip Caps

Made of Galvanized Steel and Copper. Prices according to size and style.

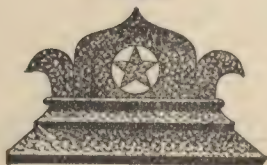
No. 269.



No. 270.

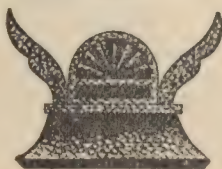


No. 271.



No. 272.

No. 272.



## Finials and Vanes

Made of Galvanized Steel, to fit round, square or octagon towers, and can be enlarged or reduced as requirements demand.

In ordering, please send sketch of base, giving exact measurements and pitch of roof.

If we do not illustrate the style of finial you desire, send us an outline, with measurements of what is wanted, and we will furnish drawings and estimates by return mail.

Prices on finials made of copper, and gilded with pure gold leaf, will be furnished on application.

Grating charged for at cost.

No. 224.



No. 225.



No. 226.



Height..... 8 ft.  
Price each..... \$7.00

Height..... 8 ft.  
Price, each..... \$7.00

Height..... 8 ft.  
Price, each..... \$8.00

No. 233.



No. 234.



No. 235.



Height..... 8 1/4 ft.  
Price..... \$10.00

Height..... 8 1/4 ft.  
Price..... \$9.00

Height..... 8 1/4 ft.  
Price..... \$10.00

All Finials with Octagon or Hexagon bases other than shown in Catalogue up to 15 in. diameter, add \$1.50 to list. Larger ones, prices on application.



1 1/4 feet high.  
No. 86, each, \$3.50



2 feet high.  
No. 88, each, \$4.50



2 3/4 feet high.  
No. 92, each, \$8.00



2 1/4 feet high.  
No. 90, each, \$5.50



5 feet high.  
No. 94, each, \$16.00

## Finials.

Made of Galvanized Iron.

When ordering Finials state whether base is to be square, round or octagon, and give pitch of roof. Crating at cost.

We can make and give estimates on any other design, upon receipt of sketch or cut.



3 1/4 feet high.  
No. 206—\$12 00



4 feet high.  
No. 414—\$8 00



6 feet high  
No. 621—\$20 00



6 1/2 feet high.  
No. 622—\$24 00

## Finials.



No. 203.

Height 3 feet. Price, each, \$12.00  
Height 6 feet. Price, each, 20.00



No. 204.

Height 3 feet. Price, each, \$13.00  
Height 6 feet. Price, each, 23.00



No. 205

Height 3 feet. Price, each, \$12.00  
Height 4 feet. Price, each, 15.00  
DISCOUNT . . . . . Per Cent.

**When ordering Finials, always state measurement and style of base.**

Our idea in showing so many different designs of finials is to give the buyer a chance to select the one that suits the requirements. If you do not find a suitable design, or have an idea of your own, just send us a sketch and we will see that you get what you want.





3½ feet high.  
No. 425—\$10 00



4½ feet high.  
No. 555—\$11 00



5 feet high.  
No. 624—\$16 00



6½ feet high.  
No. 625—\$24 00



No. 301  
Height 3 ft. \$7 50



No. 302  
Height 3 ft. \$8 00



No. 323  
Height 3 ft. \$8 00



No. 303  
Height 3 ft. \$9 00



No. 324  
Height 4 1/2 ft. \$21 00



No. 308  
Height 4 ft. \$14 00



No. 307  
Height 4 ft. \$13 00



No. 319  
Height 4 ft. \$14 00



No. 309.  
Height, 4 ft. \$14 00



No. 304.  
Height, 3½ ft. \$11 00



No. 305.  
Height 3½ ft. \$10 00



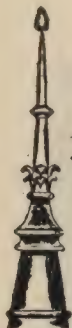
No. 317.  
Height, 3½ ft. \$16 00



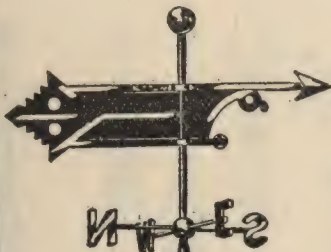
No. 306.  
Height, 3½ ft. \$10 00



No. 320.  
Height, 3 ft. \$10 50



4½ ft. high,  
No. 557  
Each \$12.00



4½ ft. high,  
No. 559  
Each \$14.00



4½ ft. high,  
No. 553  
Each \$11.00



Height, 8½ feet,  
No. 626—each, \$50.00  
Stem of Wrought Iron Pipe



4½ ft. high,  
No. 560  
Each \$16.00



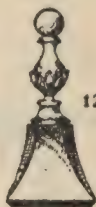
10

Height 3 feet.  
\$8.50.



11

Height, 2 feet,  
4½ inches.  
\$7.50.



12

Height 21 inches  
\$5.75.



13

Height, 3 feet  
4½ in. \$10.



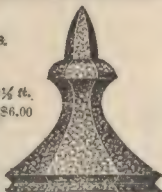
14

Height, 3 ft. Base, 10 in.  
\$15.00.



No. 268.

Height.....2½ ft.  
Price, each., \$6.00



No. 262.

Height.....2½  
Price, each.



No. 190.

Height, 6 ft. Price, \$18.00.



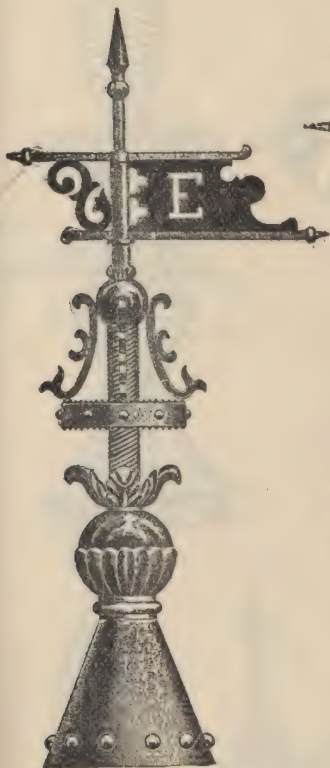
61 Feet High.

No. 95, each, \$25.00



3½ Feet High.

No. 96, each, \$14.00



No. 588.

Height, 11 feet. Price, \$50.00.



Height, 5 feet. Base, 18 inches.  
\$17.50.

No. 266.



Height..... 2 ft.  
Price, each..... \$5.00



No. 184.  
Height, 5 feet.  
Price, \$12.00.



No. 404.  
Height, 6 ft.  
Price, \$22.00

No. 203.



No. 261.



No. 255.



Height.....2½ ft.  
Price, each.....\$8.60

Height.....2½ ft.  
Price, each.....\$3.00

Height.....2½ ft.  
Price, each.....\$3.00

No. 151.



Height.....7 ft.  
Price, each.....\$30.00

No. 253.



Height, 8 ft.....Price, \$30.00  
Height, 10 ft.....Price, \$34.00



No. 111.  $7\frac{1}{4}$  feet high.  
Each, \$35.00.

. 1179



$10\frac{1}{4}$  x 29 inches. \$8.00.



No. 108.  $5\frac{1}{2}$  feet high.  
Each, \$24.00.



No. 202.  
 $4\frac{1}{4}$  feet high, each, \$15.00.





No. 107. 5½ feet high.  
Each, \$20.00.



No. 108. 7 feet high.  
Each, \$30.00.



No. 109. 6¾ feet high.  
Each, \$28.00.



No. 110. 6¾ feet high.  
Each, \$30.00.



No. 201.

Height, 7 feet. Price, \$15 00.

No. 236.



Height.....4 ft.  
Price.....\$12.00

No. 237.



Height.....4 ft.  
Price.....\$12.00

No. 238.



Height.....4 ft.  
Price.....\$12.00

No. 239.



Height.....4 ft.  
Price.....\$14.00

No. 240.



Height.....4 ft.  
Price.....\$14.00

No. 241.



Height.....4 ft.  
Price.....\$14.00

2903



Height,  
3 feet 8 inches.  
\$13.10.

2904



Height,  
3 feet 7½ inches.  
\$13.75.

2907



Height,  
3 feet 6 inches.  
\$14.00.

2894



Height,  
3 feet 9½ inches.  
\$8.50.

2895



Height,  
3 feet 10½ inches. 3 feet ¾ high.  
\$4.90.

2896



Height,  
3 feet ¾ high.  
\$7.50.

2897



Height, 3 feet  
\$5.90.

## Finials

Wrought Finials used on comb



No. 1

\$2.00



No. 0.

\$1.00



No. 2

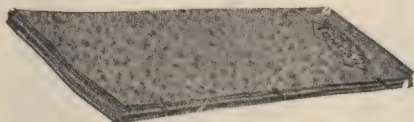
\$3.00





## S H E E T S

Black or Galvanized.



## CORRUGATED SHEETS



Corrugated,  $\frac{5}{8}$ ",  $1\frac{1}{4}$ ", 2",  $2\frac{1}{2}$ ", 3".

Lengths up to 144".

The corrugations are full and uniform.

Curved Corrugated—No. 10 to 26 gauge.

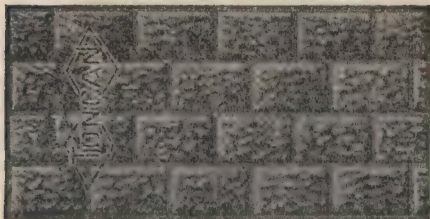
Can Also Furnish in Steel.

# TONCAN

METAL  
SIDING



Imitation Pressed Brick Siding.  
Sheets, 28 x 60 inches.



Imitation Rock Faced Stone Siding  
Sheets, 28 x 60 inches.

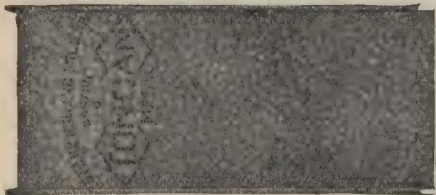
Imitation Rock Faced Brick Siding  
also furnished in same size  
sheets.

Can Also Furnish in Steel.

# TONCAN

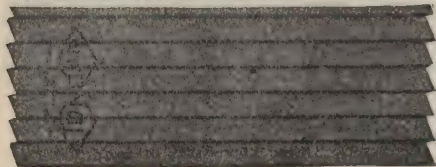
## METAL

### ROOFING



Pressed Standing Seam Roofing.  
Same lengths as V-Crimped Roofing.

## SIDING



Weather Board Siding.

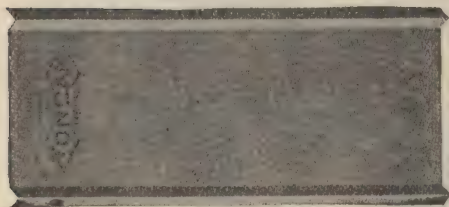
Sheets, 24 x 96 inches and each  
sheet shows 6 boards 4 inches wide.

Can Also Furnish in Steel.

# TONCAN METAL ROOFING



Roll Roofing.  
Standard Styles.



V-Crimped Roofing.

5, 6, 7, 8, 9, 10, 11, or 12 ft. long.  
Lays 24 in. center to center of crimp.

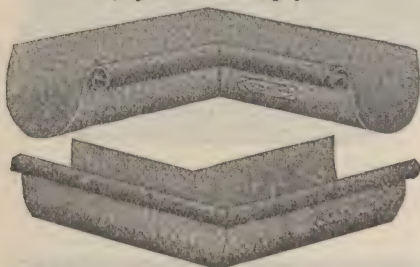
Can Also Furnish in Steel.



### Inside or Outside Miters

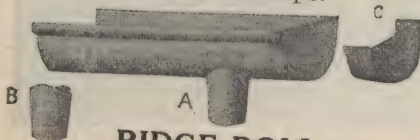
Single or Double Bead.

Slip Joint or Lap Joint.

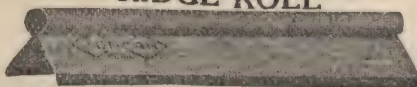


### COMPLETE END PIECES

Ends and Drops.



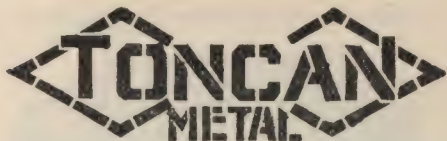
### RIDGE ROLL



Plain or Ornamental.

Can Also Furnish in Steel.



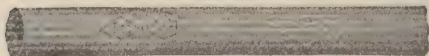


**EAVES TROUGH, PIPE, Etc**



In 10 ft. lengths.  
Single or Double Bead.  
Slip Joint or Lap Joint.

**Conductor Pipe**



Round or Square, 10 ft. lengths.

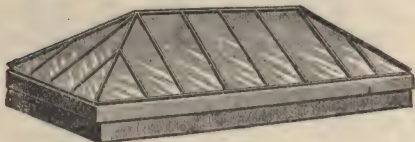
Elbows, Shoes.

Standard Sizes  
and Styles.



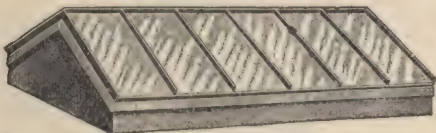
Can Also Furnish in Steel

## Galvanized Iron Skylights



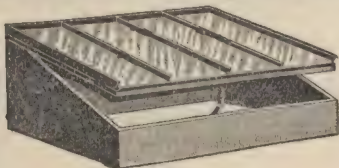
No. 1.

Illustrates a plain Hipped Skylight without Ventilation. Curb should be level.



No. 2.

Gable or Double pitch Skylight without Ventilation, when span is less than 4 feet, the curbs should be level, the ends of skylight will be of Iron; if span is 4 feet or wider ends should be of wood, and pitch of one-third; or, in other words, peak of gable should be one-third of span higher than low side.

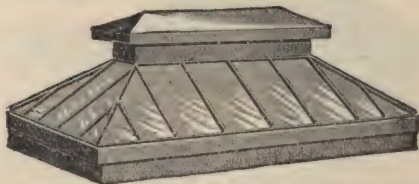


No. 3.

Illustrates a Single pitch Skylight, the pitch being formed in the curb. This skylight is arranged to open as shown, and can be fastened at any desired angle by means of curved bar arrangement.

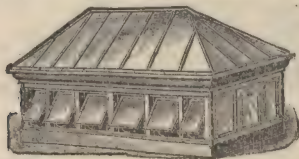
In ordering skylights give outside measurements of curb and pitch and any other details relative to the order.

## Galvanized Iron Skylights



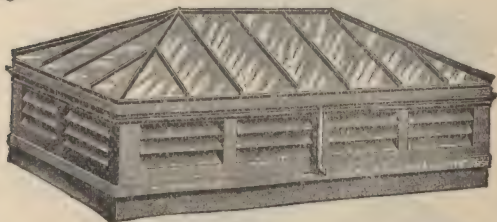
No. 5.

Illustrates a plain Hipped Skylight with ridge Ventilator.



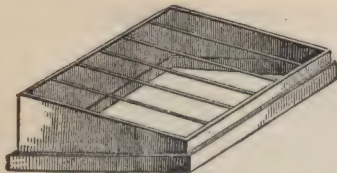
No. 7.

Illustrates a Hipped Turret Skylight with glazed opening sash for ventilation. Sashes operated by gearing and rods from below especially adapted for large openings over stores and work shops, where much ventilation is desired without obstruction of light



No. 8.

Illustrates a Hip Skylight with Louvre Ventilator. The ventilators may be either stationary or moveable, as desired. Has moulded gutter and base, and is provided with leader to carry water from gutter to roof. Ventilators framed in metal.

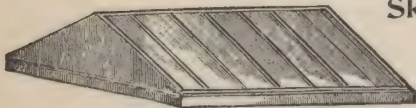


## Skylight.

Single Pitch.

Galvanized Iron and  
Copper.

Always give size  
when writing for prices.



## Skylight.

Double  
Pitch

Galvanized  
Iron and  
Copper.



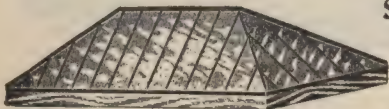
## Skylight,

Galvanized

Iron

and

Copper.



## Skylight.

Galvanized

Iron and

Copper.

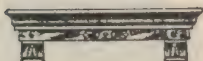
3042



3049



3043



3050



3044



3051



3045



3052



3046



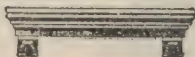
3053



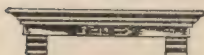
3047



3054

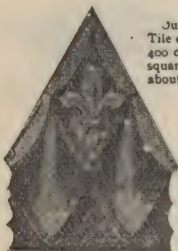


3048



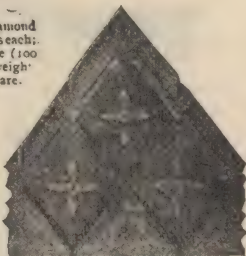
3055





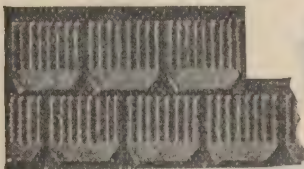
Cluster of three Gothic Tiles, showing two plain tiles and one ornamental tile.

Our Gothic and Diamond Tile cover 6x6 inches each; 400 cover one square (100 square feet). Gross weight about 85 lbs. per square.

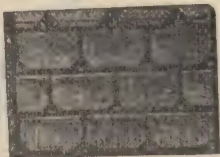


Cluster of three Diamond Tiles which can be furnished with plain centre, or with rosette, as shown in illustration.

Our EASTLAKE and OCTAGON Shingles are designed for Churches, Residences, and all buildings where moderate-priced, reliable, durable, ornamental, medium-weight, fire and storm-proof roof is desired.



OCTAGON SHINGLE, size 8x26½ inches, 66 sheets, or 198 figures, one square (100 square feet). Three figures stamped on each shingle. Weight about 80 lbs. per square.



EASTLAKE SHINGLE, size 17¼x26¼ inches, 32 sheets cover one square (100 square feet). Weight about 75 lbs. per square.



"VICTOR TILE."  
Size, 10x14 inches.  
148 Shingles per square.  
Weight, about 85 pounds per square.



JAPANESE HIP-CAP. — Makes extra fine finish for hips of Mansards, Towers, Bay windows and all buildings where a very ornamental finish is desired at a small additional cost.



## The Lesson Has Been Learned

An up-to-date city recently passed a Building Ordinance containing the following paragraphs :

“Every roof hereafter constructed shall be covered with non-combustible roof covering satisfactory to the inspector of buildings.

“Whenever non-combustible roof covering is hereafter replaced in whole or in part, the new roof covering shall be non-combustible to the satisfaction of said inspector.

“Whenever a roof covering, other than non-combustible, is hereafter replaced in whole or in part, the new roof covering shall be non-combustible to the satisfaction of said inspector, if as much as one-third of the superficial area of the entire roof is replaced.”

A conflagration destroyed a large portion of the town. Fire feeding roofing materials were responsible for the spread of flames.

Fire-Protection in **Selection of Materials** to be used is worth more than insurance policies or the entire fire department.

## What Does It Mean ?



### Galvanized Water Buckets

Quarts, . . . . . 10 12 14 16

Per dozen, . . . . .

Painted and Stenciled, Fire, per doz. extra.



### Galvanized Fire Buckets

ROUND BOTTOM

Quarts, . . . . . 10 12 14

Per doz., . . . . .

Painted and Stenciled, Fire, per doz. extra.



### Galvanized Garbage or Ash Cans

COVER WITH OUTSIDE RIM

Nos. . . . . 02 03  
Inches, . . . . . 12½x13½ 14x17½

Per doz., . . . . .



### Galvanized Watering Pots

Quarts, 4 6 8 10

Per doz.,

Quarts, 12 16 20

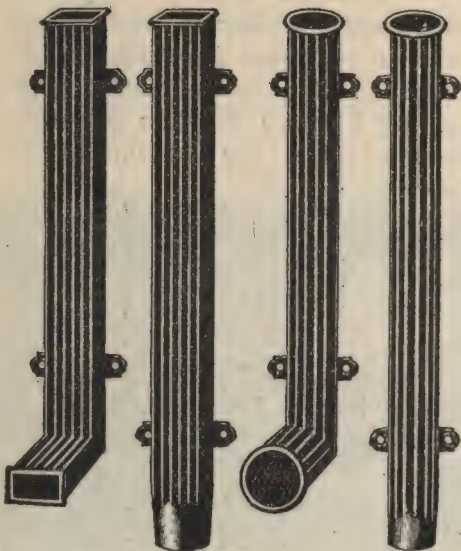
Per doz.,

A good tin roof, covering the entire upper surface of the building with an unbroken sheet of durable metal, is the most weatherproof roofing known; it is also the most durable, where the old-time hand-made tin is used.



**PREVENTS SPREAD OF FIRE:** This remarkable photograph, taken during the progress of a destructive fire on north Third Street, Philadelphia, shows clearly the contrast between tin and patent roll roofing from the fire insurance standpoint. On the right are three buildings roofed with tin. These tin roofs held together intact, confining the fire. Although the buildings beneath were completely burned out, the tin hung in position supported by the walls of the buildings, preventing the upward rush of the flames. On the left is a patent roofing advertised to be "fire-resisting," but actually blazing like a torch, and spreading the fire to the building it covers. This roof caught fire from a burning factory building in the rear roofed with slag. In this instance, tin roofs held the fire in check, preventing spread of the flames in one direction. The slag and patent roll roofing added fuel to the flames and spread the fire.

## CAST-IRON LEADER SHOES.



No. 4.

No. 3.

No. 1

No. 2.

No.	Size.	Length.	Each.
1	3 inch	54 inch	\$3.50
1	4 inch	54 inch	5.00
1	5 inch	60 inch	6.50
2	6 inch	60 inch	8.50
3	3 inch	48 inch	3.25
3	4 inch	48 inch	4.25
3	5 inch	60 inch	6.00
3	6 inch	60 inch	8.50
3	2x3 inch	48 inch	3.50
3	3x4 inch	48 inch	5.25
3	4x5 inch	60 inch	9.00
4	2x3 inch	48 inch	3.50
4	3x4 inch	48 inch	5.25
4	4x5 inch	60 inch	9.50

# WIRE CONDUCTOR STRAINERS



## GALVANIZED

### ROUND

	Per doz.
2 inch, . . . . .	\$1.50
2½ " . . . . .	1.75
3 " . . . . .	2.00
3½ " . . . . .	2.50
4 " . . . . .	3.00
5 " . . . . .	5.00
6 " . . . . .	6.00

### SQUARE

	Per doz.
2 x 3 inch, . . . . .	\$4.25
3 x 4 " . . . . .	7.25
4 x 5 " . . . . .	9.00

Other sizes made to order.

DISCOUNT.....per cent.

## COPPER

### ROUND

	Per doz.
2 inch, . . . . .	\$2.20
3 " . . . . .	3.00
4 " . . . . .	4.80
5 " . . . . .	9.60
6 " . . . . .	11.00

### SQUARE

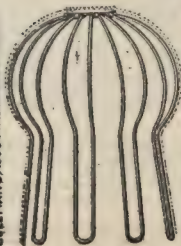
	Per doz.
2 x 3 inch, . . . . .	\$5.00
3 x 4 " . . . . .	8.00
4 x 5 " . . . . .	11.00

DISCOUNT.....per cent.



## COLEMAN'S ADJUSTABLE SPOUT STRAINER

COLEMAN'S ADJUSTABLE SPOUT GUARD



PATENTED, APRIL 21, 1903

Can be easily fitted to round or square pipe.

Made of heavy galvanized or copper wire.

Are more durable and economical than the old-style guards.

No. 1, Galvanized, will fit 2 to 4 in. pipe.

" 2, " " 5 " 6 "

" 3, Copper, " 2 " 4 "

" 4, " " 5 " 6 "

Write for prices.



Reliable  
Galvanized  
Steel

# ROUND STORAGE TANKS

SEE OUT.

## PRICE LIST

Number.	Diameter.	Height.	Capacity.	Price.
1	2 feet	2 feet	1½ barrels	\$6 10
2	2½ "	2½ "	3 "	8 20
3	3 "	3 "	3½ "	10 50
4	3½ "	3½ "	6 "	14 00
5	4 "	4 "	7 "	16 00
6	4½ "	4½ "	9 "	22 00
7	5 "	5 "	12 "	26 00
8	5½ "	5½ "	16 "	31 00
9	6 "	6 "	19 "	38 00
10	6½ "	6½ "	24½ "	46 00
11	7 "	7 "	27 "	50 00
12	7½ "	7½ "	34 "	60 00
13	8 "	8 "	40 "	70 00
14	8½ "	8½ "	47 "	86 00
15	9 "	9 "	60 "	90 00
16	9½ "	9½ "	70 "	106 00
17	10 "	10 "	90 "	130 00
18	10½ "	10½ "	150 "	180 00
19	11 "	11 "	180 "	200 00

We can furnish these tanks in any size wanted.  
Prices do not include covers. When required they will be supplied at proportionate additional prices.

List prices of tanks on this and the following page are based on No. 20 Gauge. For tanks 8 and 10 feet in diameter, we advise using No. 18 Gauge. This increases the price 25 per cent. No. 16 adds 50 per cent. to the prices herein given.

These tanks are provided with Angle Iron Stiffening Bands, and are well constructed, and make a good substantial and serviceable tank. We have hundreds in use for the storage of water, oil, etc.

Tanks up to 6 feet in diameter and 5 feet high are shipped set up unless otherwise specified, and are well riveted together and soldered. Rectangular tanks not over 10 feet long are shipped set up, unless otherwise specified.

When shipped knocked down sides are all riveted together except the last seam, and the bottom is only in one or two pieces, so that the work of erection is reduced to the minimum.





Reliable Galvanized Steel

## ROUND END RECTANGULAR TANKS

### PRICE LIST

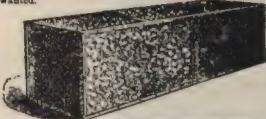
Number.	Width.	Height.	Length.	Capacity.	Price.
23	2 feet	2 feet.	4 feet.	3½ barrels	14 00
24	2 "	2 "	6 "	5½ "	18 00
25	2 "	2 "	8 "	7 "	22 00
26	2½ "	2 "	8 "	9 "	25 00
27	3 "	2 "	8 "	11 "	27 00
28	4 "	2 "	8 "	14 "	33 00
29	3 "	2 "	10 "	13½ "	31 00
30	4 "	2 "	10 "	17½ "	40 00
31	4 "	2 "	16 "	28 "	60 00

We can furnish these tanks in any size wanted.

Reliable Galvanized Steel

## RECTANGULAR TANKS

### PRICE LIST



Number.	Width.	Height.	Length.	Capacity.	Price.
33	2 feet.	2 feet.	4 feet.	4 barrels	15 40
34	2 "	2 "	6 "	6 "	19 80
35	2 "	2 "	8 "	7½ "	24 20
36	2½ "	2 "	8 "	9½ "	26 40
37	3 "	2 "	8 "	12 "	28 60
38	4 "	2 "	8 "	15 "	36 30
39	3 "	2 "	10 "	14 "	34 00
40	4 "	2 "	10 "	19 "	44 00
41	4 "	2 "	16 "	30 "	66 00

We can furnish these tanks in any size wanted.


Reliable Galvanized Steel

## ROUND STOCK TANKS

Nos. 1 to 3 shipped set up or knocked down.  
Larger sizes must be knocked down.

Made of heavy galvanized steel, best quality, with all seams thoroughly riveted or double seamed, and soldered, except when shipped knocked down; in the latter case the parts are nicely fitted and drilled for rivets or bent for double seams that can be locked and prepared for soldering as easily as they can be riveted, and any mechanic can do the work by following instructions given.

### PRICE LIST



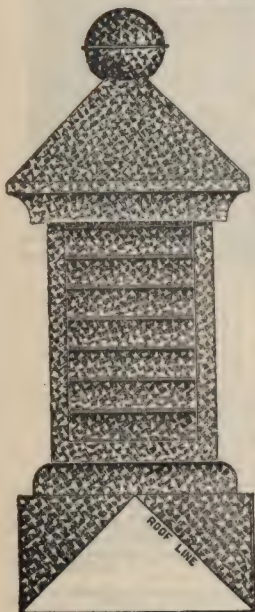
Number.	Diameter.	Height.	Capacity.	Price.
45	4 feet.	2 feet.	6 barrels.	18 00
46	6 "	2 "	9½ "	23 00
47	6 "	2 "	14 "	33 00
48	8 "	2 "	24 "	48 00
49	10 "	2 "	37½ "	68 00

We can furnish these tanks in any size wanted. Prices do not include covers. They can be supplied at proportionate additional prices when required.

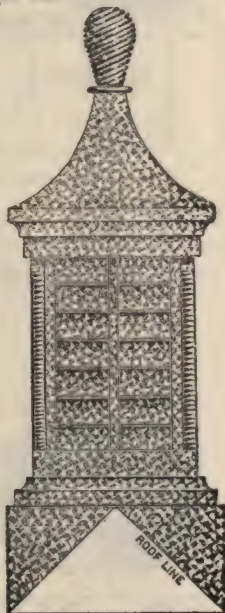
# Louvre Ventilators==Square.

MOST MODERN AND EFFECTIVE VENTILATOR MADE

Made of Heavy Galvanized Iron



No. 1033, Square.

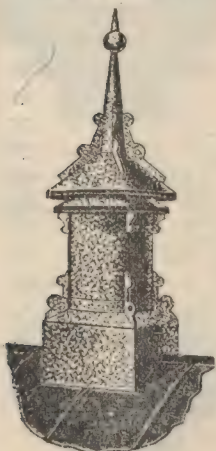


No. 1034, Square.

	No. 1033.	No. 1034.
18 inch Base, 5 feet high.....	\$13.00	\$14.00
24 inch Base, 6½ feet high.....	16.50	18.00
30 inch Base, 8 feet high.....	20.00	22.50
36 inch Base, 10 feet high.....	27.50	30.00
Crates at cost.		

## Buckeye Ventilators

For Removing Heat and Odors from Factories, Stables, Paper Mills, Chemical Rooms, Silk, Woolen and Cotton Mills, Foundries, Engine, Round and Gas Houses, Depots, Halls and Hospitals



No. 1031. (Round.)



No. 1032. (Octagon.)

MADE OF HEAVY GALVANIZED IRON.

### PRICE LIST.

	No. 1031.	No. 1032.
18 inch Base, 12 inch Drum, 5 feet high.....	\$12.75	\$12.00
22 inch Base, 15 inch Drum, 6½ feet high.....	15.00	14.00
26 inch Base, 21 inch Drum, 8½ feet high.....	18.00	17.00
33 inch Base, 29 inch Drum, 11 feet high.....	22.50	21.50

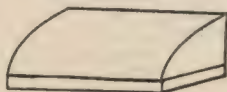
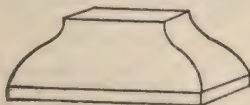
Crates of cost.

# Galvanized Shanty Caps.



PRICE.	
Size.	Per Piece.
4 in.....	.45
4½ ".....	.50
5 ".....	.50
5½ ".....	.55
6 ".....	.60
7 ".....	.60
8 ".....	.75
9 ".....	1.00
10 ".....	1.25
12 ".....	1.50

## Range Hoods



Star.

Earl.



Inches...	2	2½	3	3½	4	4½	5	5½
Price.....	\$1 00	1 00	1 50	1 50	1 75	2 00	2 50	2 85
Inches...	6	7	8	9	10	12	14	16
Price.....	\$3 40	4 00	4 65	5 20	5 75	6 75	13 00	20 00
Inches...	18	20	24	30	36	40		
Price.....	\$27 00	33 00	40 00	65 00	120 00	180 00		

ROYAL VENTILATORS.



Standard List Above.

Good Service.

Acme Ventilators.

Price of Frame and Hood only.

6 inch.....	\$2 12
7 ".....	2 30
8 ".....	2 60
9 ".....	2 90
10 ".....	3 40
12 ".....	4 40

Price of Frame only.

6 inch.....	\$1 12
7 ".....	1 20
8 ".....	1 30
9 ".....	1 40
10 ".....	1 60
12 ".....	2 20



Acme.

# Straight Seam Riveted Pipe and Fittings

MANUFACTURED OF

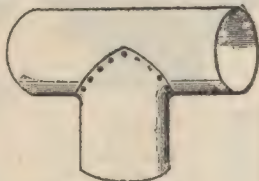
HEAVY GAUGES OF BLACK AND GALVANIZED SHEET IRON,

SUITABLE FOR

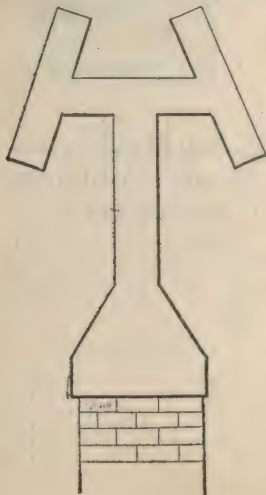
Water, Blower, Air, Ventilator Pipe, and Smoke Stacks, &amp;c.



HEAVY RIVETED ELBOW.



HEAVY RIVETED TEE



## OLD STYLE VENTILATOR

No. 24 Gauge.

4	inch each,	.....	\$3 50
4½	" "	.....	3 75
5	" "	.....	4 00
5½	" "	.....	5 00
6	" "	.....	5 25
7	" "	.....	5 50
8	" "	.....	6 00
9	" "	.....	7 00
10	" "	.....	8 00
12	" "	.....	10 00

BASES EXTRA.





## The "Best" T Chimney Top.

The No. 10½ Cap will fit the following sized flues: 4 x 8 in., 8 x 8 in., 4 x 12 in. and 8 x 12 in.

Price per doz., T Tops, \$18.00.

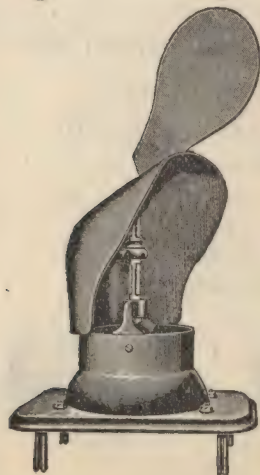


## The "Best" Chimney Cap.

No. 10½ for Chimneys.

1½ x 2	Brick	Flues 4 x 8
2 x 2	Brick	Flues 8 x 8
1½ x 2½	Brick	Flues 4 x 12
2 x 2½	Brick	Flues 8 x 12

Collar for 8 in. pipe, per doz. \$10.50.



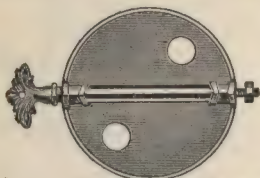
## "The Best" Revolving Chimney Top.

No. 1½ for Chimneys.

1½ x 2	Brick	Flues 4 x 8
2 x 2	Brick	Flues 8 x 8
1½ x 2½	Brick	Flues 4 x 12
2 x 2½	Brick	Flues 8 x 12

Price, \$2.50 each.

This cap as illustrated is made of cast iron.



## Plain Dampers.

Sizes:  
 4 inch. 4½ inch. 5 inch.  
 5½ inch. 6 inch. 7 inch.

Price, per pound.....\$

These Dampers are all gauged to a true size to fit the pipe, and will not turn in the rod.

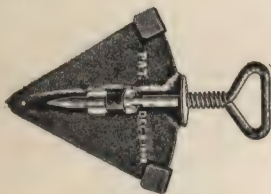
Hot Air Sizes—7, 8, 8½, 9, 10, 11 and 12 inches.



## Improved Damper Clips.

Price, per dozen: .....\$ 35

Made with solid rivets and extra holes.

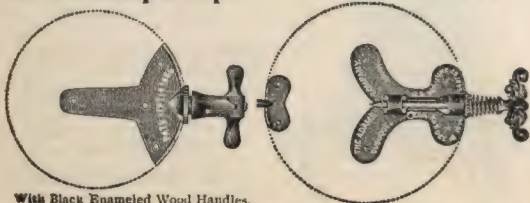


## THE "STERLING" NO-RIVET Damper Clip.

Price, per dozen..... 75

## Buffalo Damper Clips.

## Diamond Damper Clip,



With Black Enameled Wood Handles.  
 No. 1. per dozen.....\$ 75

Price, per dozen.....\$ 75

## The Uncle Sam Damper.



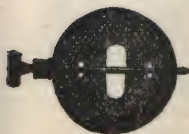
### Heater Pipe Damper.

The stem is malleable iron, pointed, and is easily driven through the pipe. The Damper Plate is made of cold rolled pickled steel, corrugated to stiffen it and prevent warping.

The difference in weight pays the freight.

3	4	4½	5	5½	6	7	Inch
10 85	.85	.85	1 00	1 10	1 15	1 60	Per dozen
8	8½	9	10	10½	12	12½	Inch
22 20	2 45	2 65	2 80	3 05	3 50	3 75	Per dozen

## American Damper.



4	inch, per dozen	\$1 35
4½	" "	1 30
5	" "	1 35
5½	" "	1 45
6	" "	1 50
7	" "	2 00

Discount..... per cent

## Oblong Square-Corner Hot-Air Dampers.



### FOR TIN FLUES.

2 1/4 x 6 inch..\$	11	3 1/4 x 10 inch..\$	17
2 1/4 x 8 inch..	13	4 x 8 inch....	17
2 1/4 x 9 inch..	14	4 x 9 inch....	18
3 x 8 inch..	14	4 x 10 inch....	19
3 1/2 x 8 inch..	15	4 x 12 inch....	20
3 1/2 x 9 inch..	16		

## Square Dampers.



### FOR BRICK FLUES.

4 x 6 inch, 2 slats, each.....	\$	17
4 x 9 inch, 2 slats, each.....		19
4 x 12 inch, 2 slats, each.....		21
5 x 5 inch, 2 slats, each.....		17
6 x 6 inch, 3 slats, each.....		18
6 x 9 inch, 3 slats, each.....		22
6 x 12 inch, 3 slats, each.....		26
8 x 8 inch, 3 slats, each.....		24
9 x 9 inch, 3 slats, each.....		28

## Round Dampers.

### FOR TIN FLUES.



6 inch.....	\$	24
7 inch.....		26
8 inch.....		28
8 1/2 inch.....		30
9 inch.....		32



## Oval Hot-Air Dampers.

2 1/4 x 9 inch.....	\$	30
3 1/2 x 10 inch.....		38
4 x 9 inch.....		40
4 x 10 inch.....		40
4 x 12 inch.....		46
6 x 12 inch.....		54

## Damper Rods.

Up to 6 inch, per dozen, net.....	\$ 10
7 to 12 inch, per dozen, net.....	20

7 to 12 inch, per dozen, net.....	24
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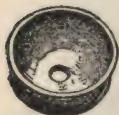
Small Knob, per dozen, net.....	48
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Large Knob, per dozen, net.....	60
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## Nickel T Handles.

Per dozen, net.....\$1 80



## Shallow Porcelain Cups.

Per dozen, net.....\$ 75

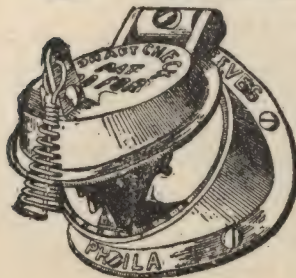


## Polished Tin Cups.

Per dozen.....\$ 60

## Nickel Plated Cups.

Per dozen ..... \$1.00



## Victor Draft Check.

4	in. Per Doz.	....\$12 00
4½	in. Per Doz.	.... 13 00
5	in. Per Doz.	.... 14 00
5½	in. Per Doz.	.... 15 00
6	in. Per Doz.	.... 16 00
7	in. Per Doz.	.... 18 00
8	in. Per Doz.	.... 20 00

4 1/2 " " " " 13' 00"

5 " " .... 14 00

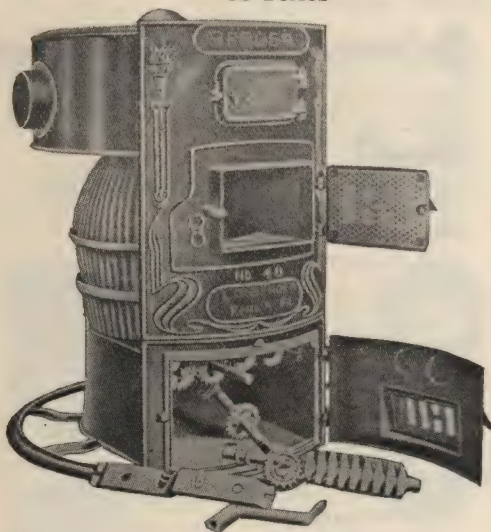
5 1/2, " " . . . 15 00

6 " " 16 00

7 " " .... 18 00

20 00

## The Berger Furnace 40 Series



Heavy Steel Plate Radiator

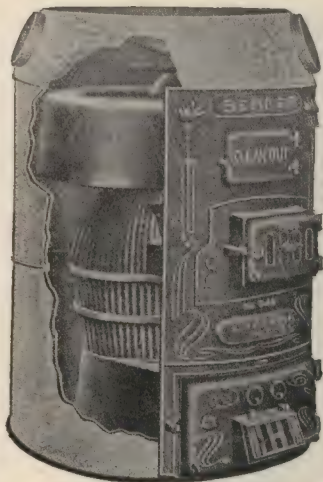
Number	Price Castings Portable	Price Double Castings	Diam. Casting, Inches	Diam. Fire Pot, Inches	Diam. Grate, Inches	Depth Fire Pot, Inches	Height Castings, Inches	Diameter Smoke Collar		Radiating Surface Sq. Ft.	Estimated Heating Capacity Cubic Ft.	See note Page 30.
								Hard Coal	Soft Coal			
28	\$ 55.00	\$ 8.25	28	16	11	42	7	8	36	6	to 8,000	
32	63.00	9.50	32	20	18	46	7	8	40	8	to 12,000	
36	75.00	10.75	36	22	20	48	7	8	46	12	to 16,000	
40	92.00	12.00	40	24	22	50	7	8	56	18	to 25,000	
44	113.00	13.00	44	26	24	52	8	8	66	25	to 35,000	
48	136.00	14.50	48	28	26	54	8	9	72	35	to 50,000	
54	173.00	16.00	54	30	28	61	8	9	80	50	to 65,000	

NOTE.—Always specify whether Heater is to be used for Hard or Soft Coal.  
Can be furnished "Brick Set" except Nos. 28 and 32. See Page 29 for  
information.



# The Berger Furnace

## 040 Series



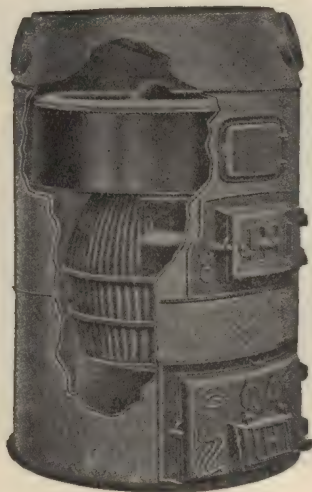
### One Piece Cast Iron Radiator

Number	Price Castings Portable	Price Double Castings	Diam. Casing, Inches	Diam. Fire Pot, Inches	Diam. Grate, Inches	Depth Fire Pot, Inches	Height Castings, Inches	Diameter Smoke Collar		Radiating Surface Sq. Ft.	Estimated Heating Capacity Cubic Ft.	See table Page 29
								Hard Coal	Soft Coal			
832	\$ 69.00	\$ 9.50	32	20	18	12	46	7	8	40	10	to 12,000
836	82.00	10.75	36	22	20	13	48	7	8	46	12	to 18,000
840	100.00	12.00	40	24	22	14	50	7	8	56	18	to 25,000
844	123.00	13.00	44	26	24	14	52	8	9	66	25	to 35,000
848	148.00	14.50	48	28	26	15	54	8	9	72	35	to 50,000
854	190.00	16.00	54	30	28	17	61	8	9	80	50	to 65,000

NOTE.—Always specify whether Heater is to be used for Hard or Soft Coal.  
Can be furnished "Brick Set" except No. 032. See Page 29 for information.

# The Berger Furnace

## 800 Series



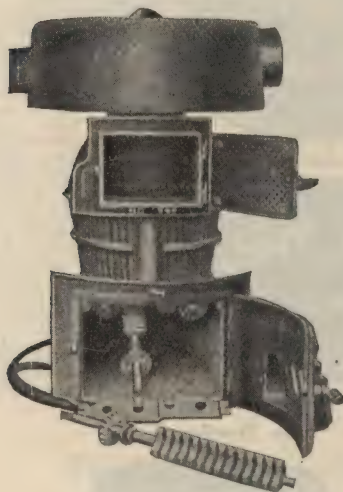
Heavy Steel Radiator—Large Casing

Cubic Ft.	Price Castings, Portable.	Price Double Castings	Diam. Casing Inches	Diam. Fire Pot, Inches	Diameter Grate, Inches	Depth Fire Pot, Inches	Height Cast- ings, Inches	Diam. Smoke Collar Inches		Rad. Surface Sq. Ft.	Estimated Heating Capacity Cubic Ft.	Page 30.
								Hard Coal	Soft Coal			
832	\$ 60.00	\$ 9.50	32	18	16	11	42	7	8	36	9 to	12,000
836	70.00	10.75	36	20	18	12	46	7	8	40	12 to	16,000
840	86.00	12.00	40	22	20	14	48	7	8	46	16 to	22,000
844	106.00	13.00	44	24	22	14	50	7	8	56	22 to	30,000
848	130.00	14.50	48	26	24	14	52	8	8	66	30 to	40,000
852	155.00	15.50	52	28	26	15	54	8	9	72	40 to	60,000

NOTE.—Always specify whether Heater is to be used for Hard or Soft Coal.

# The Berger Furnace

## 900 Series

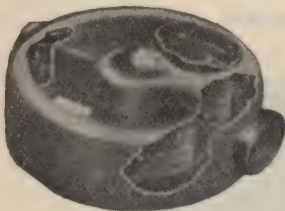


One Piece Cast Iron Radiator—Large Casing

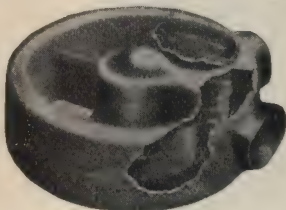
Number	Price Casing Portable.	Price Double Casing	Diam. Casing Inches	Diam. Fire Pot, Inches	Diameter Grate, Inches	Depth Fire Pot, Inches	Height Cast ings, Inches	Diam. Smoke Collar Inches		Rad. Surface Sq. Ft.	Estimated Heating Capacity Cubic Ft.	See note Page 30.
								Hard Coal	Soft Coal			
932	\$ 66.00	\$ 9.50	32	18	16	11	42	7	8	36	9	to 12,000
936	76.00	10.75	36	20	18	12	46	7	8	40	12	to 16,000
940	94.00	12.00	40	22	20	13	48	7	8	46	16	to 22,000
944	116.00	13.00	44	24	22	14	50	7	8	56	22	to 30,000
948	142.00	14.50	48	26	24	14	52	8	9	66	30	to 40,000
952	169.00	15.50	52	28	26	15	54	8	9	72	40	to 60,000

NOTE.—Always specify whether Heater is to be used for Hard or Soft Coal.

## The Berger One Piece Cast Radiator



SOFT COAL.



HARD COAL.

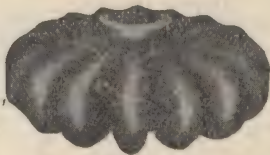
This illustration shows our ONE-PIECE CAST IRON RADIATOR and the difference in construction between the Hard and Soft Coal patterns. In the soft coal construction the combustion travels in both directions through the RADIATOR. In the hard coal the combustion travels in one direction and passes completely around the radiator before passing into the smoke pipe. We can also furnish the cast radiator arranged so that it can be changed from hard to soft coal construction by the dealer. This should be ordered as "INTER-CHANGEABLE CAST RADIATOR." Our cast radiators are made by a patented molding process, and are absolutely even and gas-tight.

## The Berger Grate



The grate illustrated above is used on all Berger Furnaces except 42 and 436 series and the Berger Schoolhouse Heaters. Its simplicity and effectiveness will appeal to practical furnacemen—only necessary to remove two cotters pins to replace any bar. We believe this to be the best grate ever made.

## The Berger Combination Heater



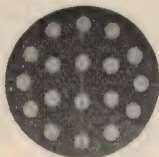
This Combination heater can be used to advantage in any of the Berger lines. It can easily be installed in furnaces which have been in use, and is a great help in heating rooms at long distances from the furnace.

### PRICE LIST.

Sizes	5 in.	6 in.	8 in.	12 in.	16 in.	20 in.
Height .....	3	3	4½	6	7	8
Tapping .....	1	1	1¼	2	3	3¼
Capacity, Sq. Ft., Radiation....	30	35	75	125	300	500
Prices .....	\$4.00	\$5.00	\$10.00	\$14.00	\$23.00	\$50.00

An additional charge of \$5.00 net will be made for labor and nipples when ordered mounted in furnaces.

## The Berger Wood Grate



This Wood Burning Grate is arranged to set on top of the regular grate bars and can be inserted and removed through the feed door. It can be used on all Berger Furnaces, but the 400, 500, 1000, 1100 and 1200 series are best adapted for wood on account of their large double feed doors.

# Hot Air Pipe, Stacks and Boxes.

## Double Seamed.

	Price, per Foot.	I. C.	I. X.	Galva
6 in. Rd. Heater Pipe, \$		17	\$ 18	\$ 24
7 " " " "		19	21	28
8 " " " "		21	23	32
8½ " " " "		22	24	34
9 " " " "		23	26	36
10 " " " "		26	28	44
12 " " " "			34	60
14 " " " "			40	
16 " " " "			54	
18 " " " "			72	
2¾ x 9 inch Heater Pipe		21	24	
3½ x 8 " " "		21	24	
3½ x 10 " " "		22	26	
4 x 10 " " "		24	28	
4 x 11½ in. " " "		26	30	
5 x 10 " " "			30	
6 x 12 " " "			38	
8 x 10 " " "			38	
8 x 12 " " "			42	
8 x 20 " " "			58	
10 x 20 " " "			77	



## Angles, Casing Collars, Tee Joints.

Inches	5	5½	6	7	8	8½	9	10	12
I. C. Tin Angles.....			.19	.21	.24	.20	.29	.33	.34
I. X. Tin Angles.....			.20	.24	.27	.30	.35	.40	.51
Galv. Angles.....			.22	.27	.30	.33	.38	.50	.70
Tee Joints, 2 ft. long.	1.00	1.08	1.10	1.20	1.30	1.40	1.50	2.00	2.50
Casing Collars.....			.23	.25	.28	.33	.35	.40	.50





## Price List of STACK BOOTS

### Style No. 1. Center Round Boot.

To fit Stacks as follows:

	I. C.	I. X.
From $2\frac{1}{4} \times 9$ to $4 \times 11\frac{1}{2}$ .....	\$ .68	\$ .74
From $5 \times 10$ to $8 \times 10$ .....		1.20
From $8 \times 12$ to $10 \times 12$ .....		1.70



No. 1—Center Round Boot



No. 2—Flat Back Boot

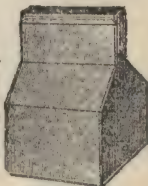
### Styles No. 2, No. 3, No. 4 and No. 5.

To fit Stacks as follows:

	I. C.	I. X.
From $2\frac{1}{4} \times 9$ to $4 \times 11\frac{1}{2}$ .....	\$1.30	\$1.50
From $5 \times 10$ to $8 \times 10$ .....		1.70
From $8 \times 12$ to $10 \times 20$ .....		2.20



No. 3—Angle Boot



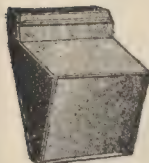
No. 4—Center Boot

### Style No. 6. Offset Boot to offset 4 to 6 inches.

To fit Stacks as follows:

	I. C.	I. X.
From $2\frac{1}{4} \times 9$ to $4 \times 11\frac{1}{2}$ .....	\$1.50	\$2.00
From $5 \times 10$ to $8 \times 10$ .....		2.00
From $8 \times 12$ to $10 \times 20$ .....		2.80

**Note**—In ordering Boots please order by number and state what size stacks they are to fit; also size of collar required. We can furnish Offset Boots to offset 8 and 12 in. when required.



No. 5—Channel Boot



No. 6—Offset Boot





**Reliable  
Galvanized  
Steel**

**ROUND  
STORAGE  
TANKS**

**SEE OUT.**

**PRICE LIST**

Number.	Diameter.	Height.	Capacity.	Price.
1	2 feet	2 feet	1½ barrels	\$6 10
2	2½ "	2½ "	3 "	8 50
3	3 "	3 "	3½ "	10 50
4	3 "	3 "	5 "	14 00
5	3 "	4 "	7 "	16 00
6	4 "	4 "	9 "	22 00
7	4 "	4 "	12 "	26 00
8	4 "	5 "	15 "	31 00
9	5 "	4 "	19 "	38 00
10	5 "	5 "	24½ "	46 00
11	6 "	4 "	27 "	50 00
12	6 "	5 "	34 "	60 00
13	6 "	6 "	40 "	70 00
14	6 "	8 "	47 "	86 00
15	8 "	5 "	60 "	90 00
16	8 "	6 "	70 "	106 00
17	8 "	8 "	90 "	130 00
18	10 "	8 "	160 "	180 00
19	10 "	10 "	180 "	200 00

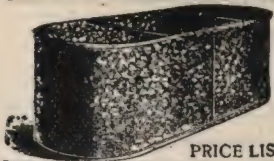
We can furnish these tanks in any size wanted.  
Prices do not include covers. When required they will be supplied at proportionate additional prices.

List prices of tanks on this and the following page are based on No. 20 Gauge. For tanks 8 and 10 feet in diameter, we advise using No. 18 Gauge. This increases the price 25 per cent. No. 16 adds 50 per cent. to the prices herein given.

These tanks are provided with Angle Iron Stiffening Bands, and are well constructed, and make a good substantial and serviceable tank. We have hundreds in use for the storage of water, oil, etc.

Tanks up to 8 feet in diameter and 5 feet high are shipped set up unless otherwise specified, and are well riveted together and soldered. Rectangular tanks not over 10 feet long are shipped set up, unless otherwise specified.

When shipped knocked down sides are all riveted together except the last seam, and the bottom is only in one or two pieces, so that the work of erection is reduced to the minimum.



Reliable Galvanized Steel

## ROUND END RECTANGULAR TANKS

### PRICE LIST

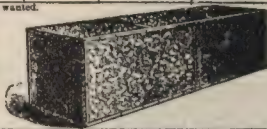
Number.	Width.	Height.	Length.	Capacity.	Price.
23	2 feet	2 feet.	4 feet.	3 1/2 barrels	14 00
24	2 "	2 "	6 "	5 1/2 "	18 00
25	2 "	2 "	8 "	7 "	22 00
26	2 1/2 "	2 "	8 "	9 "	25 00
27	3 "	2 "	8 "	11 "	27 00
28	4 "	2 "	8 "	14 "	33 00
29	3 "	2 "	10 "	13 1/2 "	31 00
30	4 "	2 "	10 "	17 1/2 "	40 00
31	4 "	2 "	16 "	28 "	60 00

We can furnish these tanks in any size wanted.

Reliable Galvanized Steel

## RECTANGULAR TANKS

### PRICE LIST



Number.	Width.	Height.	Length.	Capacity.	Price.
33	2 feet.	2 feet.	4 feet.	4 barrels	15 40
34	2 "	2 "	6 "	6 "	19 80
35	2 "	2 "	8 "	7 1/2 "	24 20
36	2 1/2 "	2 "	8 "	9 1/2 "	26 40
37	3 "	2 "	8 "	12 "	28 60
38	4 "	2 "	8 "	15 "	36 30
39	3 "	2 "	10 "	14 "	34 00
40	4 "	2 "	10 "	19 "	44 00
41	4 "	2 "	16 "	30 "	66 00

We can furnish these tanks in any size wanted.

Reliable Galvanized Steel

## ROUND STOCK TANKS

Nos. 1 to 3 shipped set up or knocked down.  
Larger sizes must be knocked down.

Made of heavy galvanized steel, best quality, with all seams thoroughly riveted or double seamed, and soldered, except when shipped knocked down; in the latter case the parts are nicely fitted and drilled for rivets or bent for double seams that can be locked and prepared for soldering as easily as they can be riveted, and any mechanic can do the work by following instructions given.

### PRICE LIST

Number.	Diameter.	Height.	Capacity.	Price.
45.	4 feet.	2 feet.	6 barrels.	16 00
46	6 "	2 "	9 1/2 "	23 00
47	6 "	2 "	14 "	33 00
48	8 "	2 "	24 "	48 00
49	10 "	2 "	37 1/2 "	68 00

We can furnish these tanks in any size wanted. Prices do not include covers. They are supplied at proportionate additional prices when required.

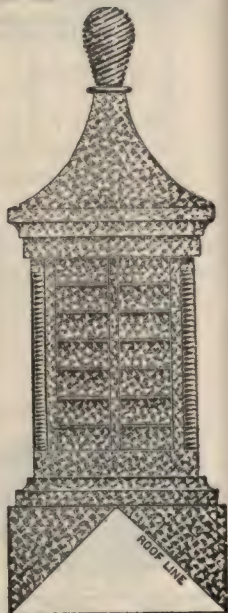
# Louvre Ventilators==Square.

MOST MODERN AND EFFECTIVE VENTILATOR MADE

Plate of Heavy Galvanized Iron



No. 1033, Square.



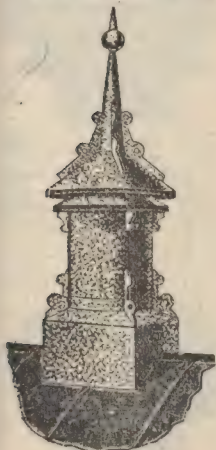
No. 1034, Square.

	No. 1033.	No. 1034.
18 inch Base, 5 feet high.....	\$13.00	\$14.00
24 inch Base, 6½ feet high.....	16.50	18.00
30 inch Base, 8 feet high.....	20.00	22.50
36 inch Base, 10 feet high.....	27.50	30.00

Crates at cost.

## Buckeye Ventilators

For Removing Heat and Odors from Factories, Stables, Paper Mills,  
Chemical Rooms, Silk, Woolen and Cotton Mills, Foundries, En-  
gine, Round and Gas Houses, Depots, Halls and Hospitals



No. 1031. (Round.)



No. 1032. (Octagon.)

MADE OF HEAVY GALVANIZED IRON.

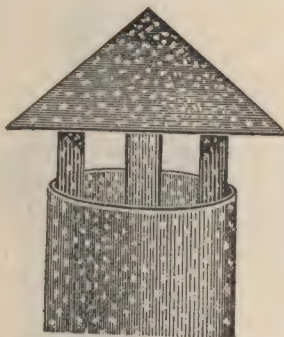
### PRICE LIST.

	No. 1031.	No. 1032.
28 inch Base, 12 inch Drum, 5 feet high.....	\$12.75	\$12.00
32 inch Base, 15 inch Drum, 6½ feet high.....	15.00	14.00
36 inch Base, 21 inch Drum, 8½ feet high.....	18.00	17.00
35 inch Base, 29 inch Drum, 11 feet high.....	22.50	21.50

Crates of cost.

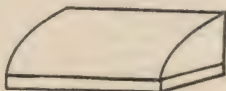
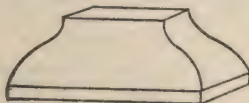
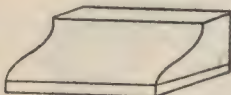


# Galvanized Shanty Caps.



PRICE.	
Size.	Per Piece.
4 in.....	.45
4½ " .....	.50
5 " .....	.50
5½ " .....	.55
6 " .....	.60
7 " .....	.60
8 " .....	.75
9 " .....	1.00
10 " .....	1.25
12 " .....	1.50

## Range Hoods

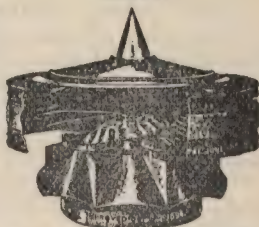




Star.



Earl.



Inches...	2	2½	3	3½	4	4½	5	5½
Price....	\$1 00	1 00	1 50	1 50	1 75	2 00	2 50	2 85
Inches...	6	7	8	9	10	12	14	16
Price....	\$3 40	4 00	4 65	5 20	5 75	6 75	13 00	20 00
Inches...	18	20	24	30	36	40		
Price....	\$27 00	33 00	40 00	65 00	120 00	180 00		

## ROYAL VENTILATORS.



Good Service.

Standard List Above.

## Acme Ventilators.

Price of Frame and Hood only.

6 inch.....	\$2 12
7 ".....	2 30
8 ".....	2 60
9 ".....	2 90
10 ".....	3 40
12 ".....	4 40

Price of Frame only.

6 inch.....	\$1 12
7 ".....	1 20
8 ".....	1 30
9 ".....	1 40
10 ".....	1 60
12 ".....	2 20



Acme.

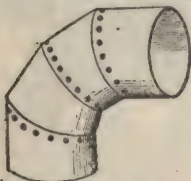
# Straight Seam Riveted Pipe and Fittings

MANUFACTURED OF

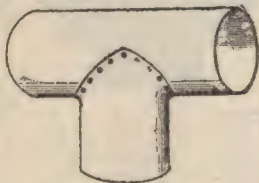
HEAVY GAUGES OF BLACK AND GALVANIZED SHEET IRON,

SUITABLE FOR

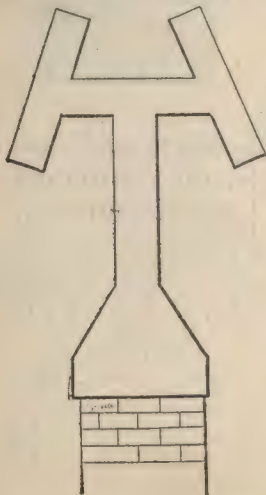
Water, Blower, Air, Ventilator Pipe, and Smoke Stacks, &c.



HEAVY RIVETED ELBOW.



HEAVY RIVETED TEE



## OLD STYLE VENTILATOR

No. 24 Gauge.

4	inch each,	\$3 50
4½	" "	3 75
5	" "	4 00
5½	" "	5 00
6	" "	5 25
7	" "	5 50
8	" "	6 00
9	" "	7 00
10	" "	8 00
12	" "	10 00

BASES EXTRA.

## The "Best" T Chimney Top.

The No. 10½ Cap will fit the following sized flues: 4 x 8 in., 8 x 8 in., 4 x 12 in. and 8 x 12 in.

Price per doz., T Tops, \$18.00.

## The "Best" Chimney Cap.

No. 10½ for Chimneys.

1½ x 2	Brick	Flues 4 x 8
2 x 2	Brick	Flues 8 x 8
1½ x 2½	Brick	Flues 4 x 12
2 x 2½	Brick	Flues 8 x 12

Collar for 8 in. pipe, per doz. \$10.50.

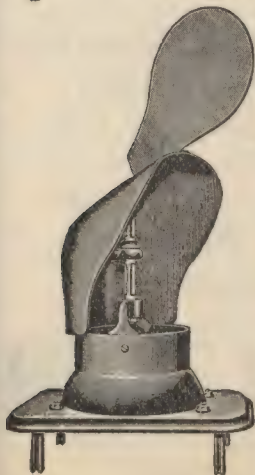
## "The Best" Revolving Chimney Top.

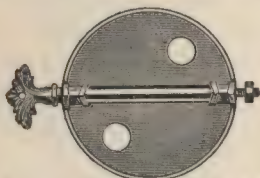
No. 1½ for Chimneys.

1½ x 2	Brick	Flues 4 x 8
2 x 2	Brick	Flues 8 x 8
1½ x 2½	Brick	Flues 4 x 12
2 x 2½	Brick	Flues 8 x 12

Price, \$2.50 each.

This cap as illustrated is made of cast iron.





## Plain Dampers.

Sizes:  
 4 inch. 4½ inch. 5 inch.  
 5½ inch. 6 inch. 7 inch.

Price, per pound.....\$

These Dampers are all gauged to a true size to fit the pipe, and will not turn in the rod.

Hot Air Sizes—7, 8, 8½, 9, 10, 11 and 12 inches.



## Improved Damper Clips.

Price, per dozen: .....\$ 36

Made with solid rivets and extra holes.

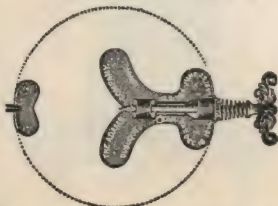


## THE "STERLING" NO-RIVET Damper Clip.

Price, per dozen..... 75

## Buffalo Damper Clips.

## Diamond Damper Clip,



With Black Enameled Wood Handles.  
 No. 1. per dozen.....\$ 75

Price, per dozen.....\$ 75

## The Uncle Sam Damper.



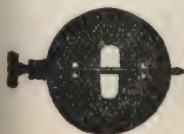
### Heater Pipe Damper.

The stem is malleable iron, pointed, and is easily driven through the pipe. The Damper Plate is made of cold rolled pickled steel, corrugated to stiffen it and prevent warping.

The difference in weight pays the freight.

3	4	4½	5	5½	6	7	Inch
10 85	.85	.85	1 00	1 10	1 15	1 60	Per dozen
8	8½	9	10	10½	12	12½	Inch
2 20	2 45	2 65	2 80	3 05	3 50	3 75	Per dozen

## American Damper.



4	inch, per dozen	\$1 25
4½	" "	1 30
5	" "	1 35
5½	" "	1 45
6	" "	1 50
7	" "	2 00

Discount..... per cent

## Oblong Square-Corner Hot-Air Dampers.



### FOR TIN FLUES.

2 1/4 x 6 inch..	\$ 11	3 1/4 x 10 inch..	\$ 17
2 1/4 x 8 inch..	13	4 x 8 inch....	17
2 1/4 x 9 inch..	14	4 x 9 inch....	18
3 x 8 inch..	14	4 x 10 inch....	19
3 1/2 x 8 inch..	15	4 x 12 inch....	20
3 1/2 x 9 inch..	16		

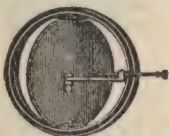
## Square Dampers.



### FOR BRICK FLUES.

4 x 6 inch, 2 slats, each.....	\$ 17
4 x 9 inch, 2 slats, each.....	19
4 x 12 inch, 2 slats, each.....	21
5 x 5 inch, 2 slats, each.....	17
6 x 6 inch, 3 slats, each.....	18
6 x 9 inch, 3 slats, each.....	22
6 x 12 inch, 3 slats, each.....	26
8 x 8 inch, 3 slats, each.....	24
9 x 9 inch, 3 slats, each.....	28

## Round Dampers.



### FOR TIN FLUES.

6 inch.....	\$ 24
7 inch.....	26
8 inch.....	28
8 1/2 inch.....	30
9 inch.....	32



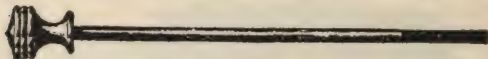
## Oval Hot-Air Dampers.

2 1/4 x 9 inch.....	\$ 30
3 1/2 x 10 inch.....	38
4 x 9 inch.....	40
4 x 10 inch.....	40
4 x 12 inch.....	46
6 x 12 inch.....	54



### Damper Rods.

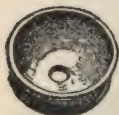
Up to 6 inch, per dozen, net.....	\$ 10
7 to 12 inch, per dozen, net.....	20



Small Knob, per dozen, net.....	\$ 48
Large Knob, per dozen, net.....	60



## Nickel T Handles.

Per dozen, net.....\$1 80

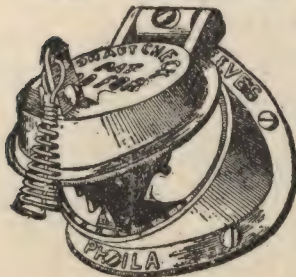
## Shallow Porcelain Cups.

Per dozen, net.....\$ 75

## Polished Tin Cups.

Per dozen.....\$ 60

## Nickel Plated Cups.

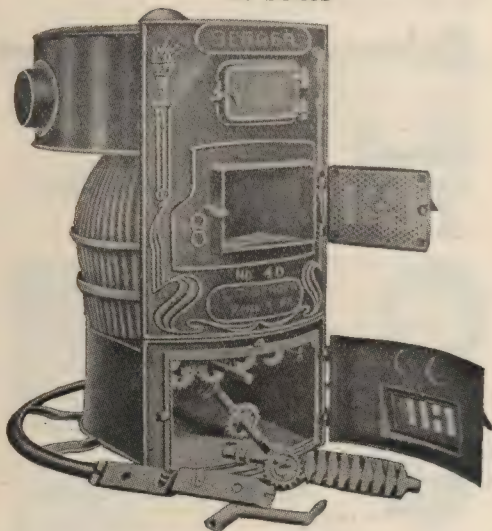
Per dozen .....

## Victor Draft Check.

4	in. Per Doz.	....\$12 00
4½	do do	.... 13 00
5	do do	.... 14 00
5½	do do	.... 15 00
6	do do	.... 16 00
7	do do	.... 18 00
8	do do	.... 20 00

# The Berger Furnace

## 40 Series



Heavy Steel Plate Radiator

Number	Price Castings Portable	Price Double Castings	Diam. Casing, Inches	Diam. Fire Pot, Inches	Diam. Grate, Inches	Depth Fire Pot, Inches	Height Castings, Inches	Diameter Smoke Collar		Radiating Surface Sq. Ft.	Estimated Heating Capacity, Cubic Ft.	See note Page 30.
								Hard Coal	Soft Coal			
28	\$55.00	\$8.25	28	18	16	11	42	7	8	36	6	to 8,000
32	63.00	9.50	32	20	18	12	46	7	8	40	8	to 12,000
36	75.00	10.75	36	22	20	13	48	7	8	46	12	to 18,000
40	92.00	12.00	40	24	22	14	50	7	8	56	16	to 25,000
44	113.00	13.00	44	26	24	14	52	8	9	66	25	to 35,000
48	136.00	14.50	48	28	26	15	54	8	9	72	35	to 50,000
54	173.00	16.00	54	30	28	17	61	8	9	80	50	to 65,000

NOTE.—Always specify whether Heater is to be used for Hard or Soft Coal.  
Can be furnished "Brick Set" except Nos. 28 and 32. See Page 29 for  
information.

# The Berger Furnace

## 040 Series



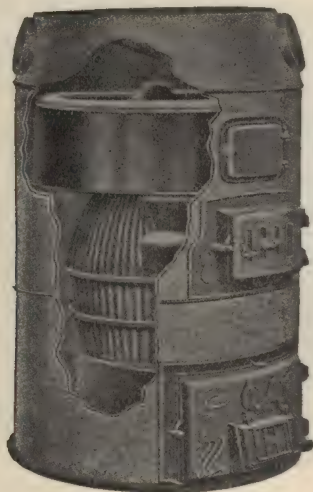
One Piece Cast Iron Radiator

Number	Price Castings Portable		Price Double Castings	Diam. Casing, Inches	Diam. Fire Pot, Inches	Diam. Grate, Inches	Depth Fire Pot, Inches	Height Castings, Inches	Diameter Smoke Collar		Radiating Surface Sq. Ft.	Estimated Heating Capacity Cubic Ft.
	Price	Castings							Hard Coal	Soft Coal		
032	\$ 69.00		\$ 9.50	32	20	18	12	46	7	8	40	10 to 12,000
036	82.00		10.75	36	22	20	13	48	7	8	46	12 to 18,000
040	100.00		12.00	40	24	22	14	50	7	8	56	18 to 25,000
044	123.00		13.00	44	26	24	14	52	8	9	66	25 to 35,000
048	148.00		14.50	48	28	26	15	54	8	9	72	35 to 50,000
054	190.00		16.00	54	30	28	17	61	8	9	80	50 to 65,000

NOTE.—Always specify whether Heater is to be used for Hard or Soft Coal. Can be furnished "Brick Set" except No. 032. See Page 29 for information.

# **The Berger Furnace**

## **800 Series**



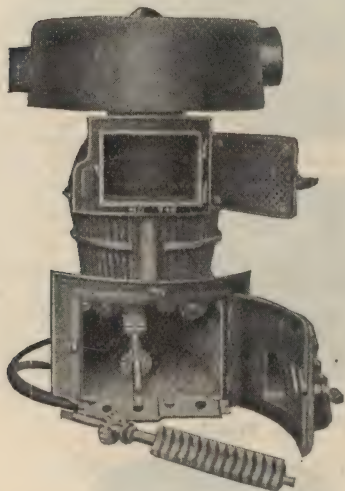
**Heavy Steel Radiator—Large Casing**

Cubic Ft.	Price Casing, Portable.	Price Double Casings.	Diam. Casing Inches	Diam. Fire Pot, Inches	Diameter Grate, Inches	Depth Fire Pot, Inches	Height Cast- ings, Inches	Diam. Smoke Collar Inches		Rad. Surface Sq. Ft.	Estimated Heating Capacity Cubic Ft.	Page 30.
								Hard Coal	Soft Coal			
832	\$ 60.00	\$ 9.50	32	18	16	11	42	7	8	36	9 to 12,000	
836	70.00	10.75	36	20	18	12	46	7	8	40	12 to 16,000	
840	86.00	12.00	40	22	20	13	48	7	8	46	16 to 22,000	
844	106.00	13.00	44	24	22	14	50	7	8	56	22 to 30,000	
848	130.00	14.50	48	26	24	14	52	8	9	66	30 to 40,000	
852	155.00	15.50	52	28	26	15	54	8	9	72	40 to 60,000	

**NOTE.**—Always specify whether Heater is to be used for Hard or Soft Coal.

# The Berger Furnace

## 900 Series

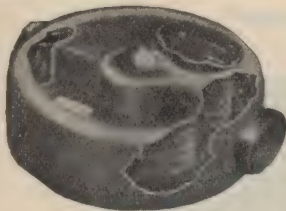


One Piece Cast Iron Radiator—Large Casing

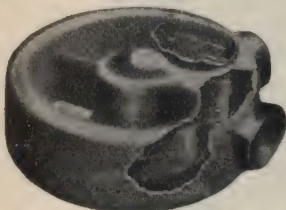
Number	Price Casing Portable.	Price Double Casing	Diam. Casing Inches	Diam. Fire Pot, Inches	Diameter Grate, Inches	Depth Fire Pot, Inches	Height Cast ings, Inches	Diam. Smoke Collar Inches		Rad. Surface Sq. Ft.	Estimated Heating Capacity, Cubic Ft.	See note Page 30.
								Hard Coal	Soft Coal			
932	\$ 66.00	\$ 9.50	32	18	16	11	42	7	8	36	9 to	12,000
936	76.00	10.75	36	20	18	12	46	7	8	40	12 to	16,000
940	94.00	12.00	40	22	20	13	48	7	8	46	16 to	22,000
944	116.00	13.00	44	24	22	14	50	7	8	56	22 to	30,000
948	142.00	14.50	48	26	24	14	52	8	9	66	30 to	40,000
952	169.00	15.50	52	28	26	15	54	8	9	72	40 to	60,000

NOTE.—Always specify whether Heater is to be used for Hard or Soft Coal.

## The Berger One Piece Cast Radiator



SOFT COAL.



HARD COAL.

This illustration shows our ONE-PIECE CAST IRON RADIATOR and the difference in construction between the Hard and Soft Coal patterns. In the soft coal construction the combustion travels in both directions through the RADIATOR. In the hard coal the combustion travels in one direction and passes completely around the radiator before passing into the smoke pipe. We can also furnish the cast radiator arranged so that it can be changed from hard to soft coal construction by the dealer. This should be ordered as "INTER-CHANGEABLE CAST RADIATOR." Our cast radiators are made by a patented molding process, and are absolutely even and gas-tight.

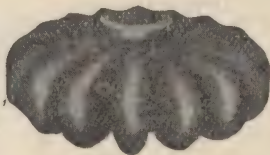
## The Berger Grate



The grate illustrated above is used on all Berger Furnaces except 42 and 430 series and the Berger Schoolhouse Heaters. Its simplicity and effectiveness will appeal to practical furnacemen—only necessary to remove two cotters pins to replace any bar. We believe this to be the best grate ever made.



## The Berger Combination Heater



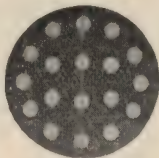
This Combination heater can be used to advantage in any of the Berger lines. It can easily be installed in furnaces which have been in use, and is a great help in heating rooms at long distances from the furnace.

### PRICE LIST.

Sizes	5 in.	6 in.	8 in.	12 in.	16 in.	20 in.
Height.....	3	3	4½	6	7	8
Tapping .....	1	1	1¼	2	3	3¼
Capacity, Sq. Ft., Radiation....	30	35	75	125	300	500
Prices .....	\$4.00	\$5.00	\$10.00	\$14.00	\$23.00	\$50.00

An additional charge of \$5.00 net will be made for labor and nipples when ordered mounted in furnaces.

## The Berger Wood Grate



This Wood Burning Grate is arranged to set on top of the regular grate bars and can be inserted and removed through the feed door. It can be used on all Berger Furnaces, but the 400, 500, 1000, 1100 and 1200 series are best adapted for wood on account of their large double feed doors.

# Hot Air Pipe, Stacks and Boxes.

## Double Seamed.

	Price, per Foot.	I. C.	I. X.	Galv.
6 in. Rd. Heater Pipe, \$	17	\$ 18	\$ 24	
7 " " " "	19	21	28	
8 " " " "	21	23	32	
8½ " " " "	22	24	34	
9 " " " "	23	26	36	
10 " " " "	26	28	44	
12 " " " "		34	60	
14 " " " "		40		
16 " " " "		54		
18 " " " "		72		
2¼ x 9 inch Heater Pipe	21	24		
3½ x 8 " " " "	21	24		
3½ x 10 " " " "	22	26		
4 x 10 " " " "	24	28		
4 x 11½ in. " " " "	26	30		
5 x 10 " " " "		30		
6 x 12 " " " "		38		
8 x 10 " " " "		38		
8 x 12 " " " "		42		
8 x 20 " " " "		58		
10 x 20 " " " "		77		

## Angles, Casing Collars, Tee Joints.

Inches	\$	5¢	6	7	8	8½	9	10	12
I. C. Tin Angles.....			.19	.21	.24	.26	.29	.33	.38
I. X. Tin Angles.....			.20	.24	.27	.30	.35	.40	.55
Galv. Angles.....			.22	.27	.30	.33	.38	.50	.70
Tee Joints, 2 ft. long.	1.00	1.08	1.10	1.20	1.30	1.40	1.50	2.00	2.50
Casing Collars.....			.23	.25	.28	.32	.35	.40	.50

## Price List of STACK BOOTS

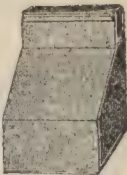
### Style No. 1. Center Round Boot.

To fit Stacks as follows:

	I. C.	I. X.
From $2\frac{1}{4} \times 9$ to $4 \times 11\frac{1}{2}$ .....	\$ .68	\$ .74
From $5 \times 10$ to $8 \times 10$ .....		1.20
From $8 \times 12$ to $10 \times 12$ .....		1.70



No. 1—Center Round Boot



No. 2—Flat Back Boot

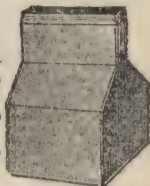
### Styles No. 2, No. 3, No. 4 and No. 5.

To fit Stacks as follows:

	I. C.	I. X.
From $2\frac{1}{4} \times 9$ to $4 \times 11\frac{1}{2}$ .....	\$1.30	\$1.50
From $5 \times 10$ to $8 \times 10$ .....		1.70
From $8 \times 12$ to $10 \times 20$ .....		2.20



No. 3—Angle Boot

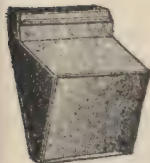


No. 4—Center Boot

### Style No. 6. Offset Boot to offset 4 to 6 inches.

To fit Stacks as follows:

	I. C.	I. X.
From $2\frac{1}{4} \times 9$ to $4 \times 11\frac{1}{2}$ .....	\$1.50	\$2.00
From $5 \times 10$ to $8 \times 10$ .....		2.00
From $8 \times 12$ to $10 \times 20$ .....		2.80

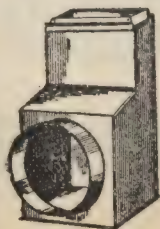


No. 5—Channel Boot

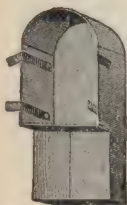


No. 6—Offset Boot

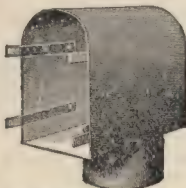
Note—In ordering Boots please order by number and state what size stacks they are to fit; also size of collar required. We can furnish Offset Boots to offset 8 and 12 in. when required.



## Register Boxes.



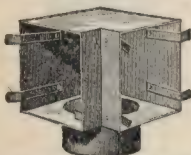
No. 1—Hall Register Box



No. 2—Parlor Register Box with Round Collar



No. 3—Top Box



No. 4—Double Register Box



No. 5 Box

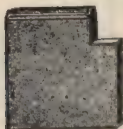
			I. C.	I. X.
Style No. 1—8	$x \frac{1}{2}$ 12 to 10 x 14	Register.....		
	$2\frac{3}{4} x$ 9 to 4 x 11 $\frac{1}{2}$	Pipe.....	\$ .90	\$1.00
Style No. 2—8	$x \frac{1}{2}$ 12 to 10 x 14	Register.....		
	$2\frac{3}{4} x$ 9 to 4 x 11 $\frac{1}{2}$	Pipe.....	1.00	1.10
Style No. 3—	6 x 8 to 10 x 14	Register .....		
	$2\frac{3}{4} x$ 9 to 4 x 11 $\frac{1}{2}$	Pipe .....	.70	.80
Style No 4—6	$x \frac{1}{2}$ 8 to 10 x 14	Register.....		
	$2\frac{3}{4} x$ 9 to 4 x 11 $\frac{1}{2}$	Pipe.....	1.20	1.30
Style No 5—6	$x \frac{1}{2}$ 8 to 10 x 14	Register.....		
	$2\frac{3}{4} x$ 9 to 4 x 11 $\frac{1}{2}$	Pipe.....	1.20	1.30
Round Floor, Register Boxes	6 to 8 in.....		.80	.90
Round Floor, Register Boxes	9 to 10 in.....		.90	1.00
Round Floor, Register Boxes	12 to 14 in.....		1.10	1.20
Round Floor, Register Boxes	16 to 20 in.....		1.55	1.70
Square Floor, Register Boxes	6 x 8 to 10 x 14.....		.80	.90

Discount .....per cent.

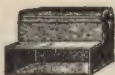
NOTE.—Please order by number and state what size Registers are to be used, also what size pipe.

Register Boxes for larger sized Registers and Pipe. Prices on application.

## STACK ELBOWS AND OFFSETS



Stack Elbow, Style A

Square Stack Elbow,  
Style B

Stack Elbow, Style C



Stack Elbow, Style D

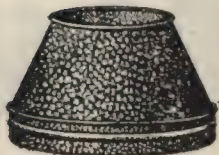
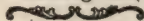


Stack Offset, Style E



Stack Offset, Style F to Offset 4 in.

	I. C.	I. X.
From 2 3/4 x 9 to 4 x 11 1/4	90	1.00
" 5 x 10 to 8 x 10		1.40
" 8 x 12 to 10 x 20		2.80

Galvanized Iron  
Casing Bonnets

**A**LSO Galvanized Iron Casings and Drums made for all sizes of Furnaces, Tin and Brick Dampers, Damper Rods and Knobs, Registers and Borders, Corrugated and Plain Asbestos Paper, Etc.

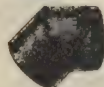
## Common Black Stove Pipe



All sizes kept in stock  
Inches—4, 4 1/2, 5, 5 1/2, 6.

**WRITE FOR PRICES**

# ELBOWS



## Twin Elbows Per Dozen

		I. C. Tin.	I. X. Tin.	Galv. Iron
6	inch.....	\$2 10	\$2 25	\$2 50
7	" .....	2 25	2 50	3 00
8	" .....	2 50	2 75	3 50
8½	" .....	2 75	3 00	3 75
8¾	" .....	2 75	3 00	3 75
9	" .....	3 10	3 40	4 00
10	" .....	3 85	4 25	4 50
12	" .....	—	6 10	6 25
14	" .....	—	7 50	8 25
16	" .....	—	14 00	15 00

## ADJUSTABLE RUSSIA



Size	4	4½	5	5½	6	7	8
Dozen	\$2.40	2.60	3.00	3.80	3.80	4.50	6.00

## ADJUSTABLE GALVANIZED



Size	1½	2	3	4	4½	5	5½	6	7	8	9	10	12
Galv. Dos. \$	.70	.70	1.00	1.30	1.50	1.80	2.10	2.30	2.80	3.80	4.20	5.70	7.80
Tin. Dos.,	.70	.70	1.00	1.10	1.40	1.40	1.80	1.80	2.20	2.80	3.40	3.90	5.80



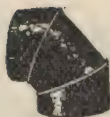
# Perfect Stove Pipe Elbow.

Strongest Stove Pipe Elbow Made.



	Per Dozen. Common.	Per Dozen. Planished.
4 inch.....	\$1 55	\$3 30
4½ inch.....	1 80	4 25
5 inch.....	1 80	4 25
5½ inch.....	2 20	5 35
6 inch.....	2 20	5 35
7 inch.....	2 95	7 00

## 3=Piece Elbows.



	Per Doz.	I. C. Tin.	I. X. Tin.	Galv. Iron.
6 inch...	\$2 10	\$2 25	\$2 50	\$3 00
7 " " "	2 25	2 50	3 00	3 50
8 " " "	2 50	2 75	3 00	3 75
8½ " " "	2 75	3 00	3 40	4 00
9 " " "	3 10	3 40	4 25	4 50
10 " " "	3 85	4 25	6 10	6 25
12 " " "	—	7 50	8 25	8 25
14 " " "	—	14 00	15 00	15 00

## 5 Piece



## Elbows.

	Per doz...	4	4½	5	5½	6	7	8	8½	9	10
Charcoal Irons }	... .70	.75	.80	.85	.90	1.50					
Russian Irons }	4.00	5.00	6.00	7.00	8.00	10.00	16.00	16.00	18.00	20.00	
L. K. Tin.....	3.25	4.00	4.75	5.50	6.25	7.00	8.00	10.00	12.00	13.50	
Galvanized Iron }	3.25	4.00	4.75	5.50	6.25	7.00	8.00	10.00	12.00	13.50	

## Star Elbows.

Made of Cleaned Iron.



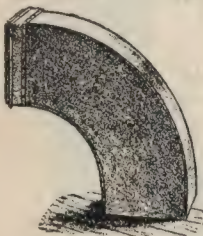
	4	4½	5	5½	6	7
inch, per dozen, Black, \$5 60 Galvanized	\$1 20	1 30	1 60	1 90	2 10	2 40
4 " " " "	65	70	75	80	1 25	
4½ " " " "						
5 " " " "						
5½ " " " "						
6 " " " "						
7 " " " "						



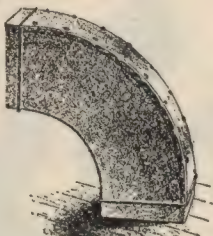
STRAIGHT TAPER.



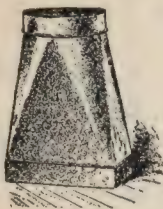
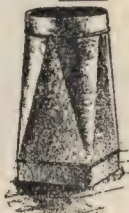
OFFSET TAPER.



REGULAR ELBOW.



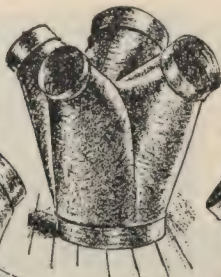
REINFORCED ELBOW.

TRANSFORMATION  
FROM RECTANGULAR TO ROUNDTRANSFORMATION  
FROM SQUARE TO ROUND.

## THREE AND FOUR-WAY BRANCHES.



Y BRANCH.



FOUR-WAY BRANCH.  
Outlets 90° apart.



STRAIGHT BRANCH.



THREE-WAY BRANCH.  
Outlets in same plane.

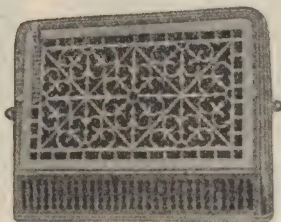


FOUR-WAY BRANCH.  
Outlets in same plane.

## Special Side Wall Register.

For use in Base-board.

For Shallow Flues and thin Partitions.

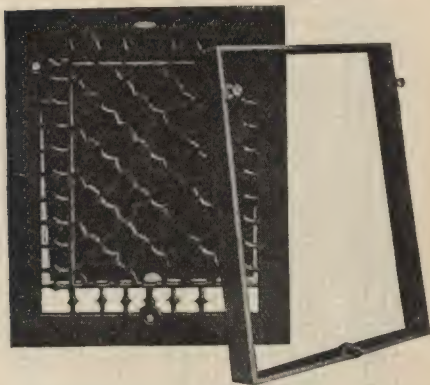


SIZE OF OPENING	Black Japanned	White Japanned	Gold Bronzed	Nickel Plated	Electro Brass Brass or Copper
7 x 10	3 00	3 50	4 00	4 50	5 00
7 x 12	4 00	4 50	5 00	5 50	6 00
8 x 13	5 00	5 60	6 15	6 75	7 35
8 x 15	6 00	6 75	7 25	8 00	8 75
8 x 17	8 00	8 90	10 00	11 00	11 75
10 x 13	6 00	6 75	7 25	8 00	8 50

**"THE KEYSTONE" ONE VALVE REGISTER**

FOR USE IN BASE BOARD.

Valve Controlled by Compensating Springs.



THE "KEYSTONE"

This is the simplest Register made, and is the register "par excellence" for shallow flues, yet the construction allows of it being used in flues the depth of the height of the valve.

The single valve makes a deflector which drives the hot air out into the room, and is so controlled by compensating springs that it will remain in any position against the uprush of hot air, making it possible to divide the column of hot air and only deflect such portion as may be required into a room, the balance going to the upper floor register.

The ability to close the flue with this valve makes the use of a damper, cup, rod, and knob, unnecessary, and saves the expense of these items.

Size of Opening.	Black Japanned.	White Japanned.	Bronzed to Imitate Gold, Silver, Copper or Bronze Metal.	Nickel Plated.	Electro Plated, Brass, Bronze or Copper.
6 x 8	..... 1.55 .....	..... 1.35 .....	..... 2.30 .....	..... 3.00 .....	..... 3.10 .....
8 x 10	..... 1.65 .....	..... 2.00 .....	..... 3.15 .....	..... 3.40 .....	..... 3.55 .....
8 x 12	..... 1.90 .....	..... 2.30 .....	..... 3.65 .....	..... 4.00 .....	..... 4.40 .....
10 x 12	..... 2.10 .....	..... 2.55 .....	..... 4.00 .....	..... 4.55 .....	..... 5.10 .....



## Registers, Faces, Borders.

For either Floor or Wall.

UNDER PATENTS JULY 4, 1893; JANU 20, 1894.

## Black Japanned.

SIZE OF OPENING	Register	Register Face	Floor Border	SIZE OF OPENING	Register	Register Face	Floor Border
4 x 6 1/2	1 40	35	1 15	9 x 24	12 00	5 30	5 30
4 x 8	1 50	60	1 15	9 x 25	14 25	6 00	6 00
4 x 10	1 55	75	1 15	9 x 26	15 25	6 35	6 35
4 x 12	1 80	95	1 25	9 x 28	16 35	6 40	6 40
4 x 13	2 00	1 10	1 75	9 x 30	17 50	7 10	7 10
4 x 15	3 00	1 10	1 90	10 x 10	2 35	1 65	1 70
4 x 18	4 00	1 30	2 75	10 x 12	2 40	1 70	1 75
4 x 21	5 00	2 25	3 15	10 x 14	3 15	2 20	2 20
4 x 24	6 00	2 75	3 75	10 x 15	4 00	2 60	2 60
5 x 8	1 55	90	1 15	10 x 16	4 55	2 95	2 95
5 x 9	1 55	1 00	1 20	10 x 18	6 70	3 70	3 70
5 x 10	1 75	1 05	1 20	10 x 20	8 00	4 35	4 35
5 x 11	1 80	1 10	1 30	10 x 24	10 40	4 90	4 90
5 x 12	2 00	1 20	1 40	10 x 25	12 15	5 35	5 35
5 x 13	2 20	1 35	1 60	10 x 28	18 50	7 50	7 50
5 x 14	2 40	1 50	1 90	10 x 30	19 50	8 00	8 00
5 x 15	3 00	1 65	2 00	10 x 34	24 50	9 75	9 75
5 x 16	3 00	1 80	2 60	10 x 36	26 00	10 00	10 00
5 x 17	4 20	2 60	2 70	10 x 42	35 00	13 50	13 50
5 x 18	5 25	2 10	3 30	11 x 17	8 30	3 70	3 70
5 x 20	14 00	0 09	6 00	11 x 18	8 75	3 85	3 85
6 x 6	1 50	90	1 15	11 x 20	9 75	4 45	4 45
6 x 8	1 55	1 09	1 15	12 x 12	4 00	2 70	2 70
6 x 9	1 60	1 05	1 20	12 x 14	4 35	2 80	2 80
6 x 10	1 60	1 05	1 20	12 x 15	4 50	2 90	2 90
6 x 12	1 85	1 25	1 45	12 x 16	5 60	3 50	3 55
6 x 14	2 85	1 65	1 90	12 x 17	6 35	3 80	3 80
6 x 16	4 00	2 10	2 70	12 x 18	6 80	3 90	3 90
6 x 18	5 20	2 25	3 25	12 x 19	7 50	4 00	4 00
6 x 20	6 00	2 50	3 50	12 x 20	9 00	4 50	4 50
6 x 22	7 00	3 00	3 75	12 x 21	12 25	5 55	5 50
6 x 24	8 00	3 70	4 50	12 x 30	20 00	8 20	8 20
6 x 26	9 50	4 25	5 40	12 x 32	24 50	9 75	9 75
6 x 30	11 50	4 75	6 00	12 x 34	26 75	10 00	10 00
6 x 32	13 00	5 25	6 50	12 x 36	28 75	10 25	10 25
7 x 7	1 65	1 00	1 20	12 x 40	33 00	15 50	15 50
7 x 10	1 65	1 10	1 25	12 x 44	47 00	14 00	14 00
7 x 12	1 90	1 25	1 50	12 x 48	7 00	6 05	6 05
7 x 13	2 05	1 30	1 50	12 x 50	8 25	6 20	6 20
7 x 15	2 75	2 05	2 25	12 x 54	9 00	6 30	6 30
8 x 8	1 60	1 05	1 20	12 x 56	9 50	6 40	6 40
8 x 10	1 65	1 10	1 25	12 x 60	10 50	6 50	6 50
8 x 12	1 90	1 30	1 50	12 x 64	14 20	6 90	6 90
8 x 13	2 25	1 55	1 85	12 x 66	17 50	7 50	7 50
8 x 14	3 00	2 00	2 00	12 x 68	18 00	7 50	7 50
8 x 15	3 80	2 60	2 60	12 x 70	20 00	8 00	8 00
8 x 16	4 50	2 70	2 70	13 x 13	10 00	5 90	5 90
8 x 18	6 00	3 00	3 50	13 x 20	12 00	5 90	5 90
8 x 20	8 20	3 90	3 90	13 x 21	12 50	6 20	6 20
8 x 21	9 00	4 00	4 00	13 x 25	17 50	7 10	7 10
8 x 24	11 25	4 70	4 70	13 x 30	27 50	10 75	10 75
8 x 27	13 60	5 40	5 40	15 x 34	31 75	13 75	13 75
8 x 30	14 70	6 30	6 30	16 x 16	11 00	5 10	5 10
8 x 36	21 50	14 00	14 00	16 x 18	12 00	5 80	5 30
9 x 9	2 00	1 40	1 60	16 x 20	12 35	6 10	6 10
9 x 12	3 10	1 45	1 65	16 x 22	14 75	6 70	6 70
9 x 13	2 95	2 00	2 00	16 x 24	15 00	7 00	7 00
9 x 14	3 10	2 15	2 15	16 x 28	24 60	10 00	10 00
9 x 15	3 95	2 65	2 65	16 x 30	27 90	11 00	11 00
9 x 16	4 70	3 20	3 20	16 x 32	31 00	13 10	13 10
9 x 17	5 95	3 60	3 60	18 x 18	16 00	6 00	6 00
9 x 18	6 60	3 60	3 60	18 x 20	18 50	7 20	7 20
9 x 19	7 40	3 95	3 95	18 x 22	19 50	7 60	7 60
9 x 20	8 75	4 30	4 30	18 x 24	20 50	7 75	7 75
9 x 22	10 85	4 50	4 50	18 x 26	21 50	8 85	8 85



# Registers, Faces, Borders.

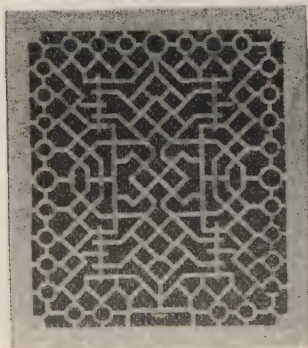
For either Floor or Wall.

Black Japanned—Continued.

SIZE OF OPENING	Register	Register Face	Floor Border	SIZE OF OPENING	Register	Register Face	Floor Border
14 x 27	27 50	10 75	10 75	24 x 24	30 00	12 00	12 00
14 x 30	31 25	13 25	13 25	24 x 26	33 00	13 40	13 40
16 x 36	38 00	17 25	17 25	24 x 27	33 95	14 00	14 00
20 x 20	19 75	8 00	8 00	24 x 30	38 00	17 25	17 25
20 x 22	21 60	8 40	8 40	24 x 32	42 50	18 00	18 00
20 x 24	22 60	8 60	8 60	24 x 36	50 00	22 00	22 00
20 x 26	23 50	9 50	9 50	24 x 42	67 50	26 50	26 50
20 x 28	28 90	11 50	11 50	27 x 27	37 25	17 00	17 00
20 x 30	33 50	13 50	13 50	27 x 34	56 00	25 00	25 00
20 x 32	37 50	17 10	17 10	24 x 24	44 00	19 00	19 00
20 x 36	43 00	18 50	18 50	24 x 26	48 00	21 00	21 00
24 x 24	24 50	9 75	9 75	24 x 28	53 00	24 50	24 50
24 x 26	28 00	11 10	11 10	24 x 30	54 00	27 00	27 00
24 x 28	29 00	11 60	11 60	30 x 30	49 00	21 80	21 80
24 x 30	42 00	17 90	17 90	30 x 34	67 50	26 50	26 50
24 x 32	49 00	21 50	21 50	30 x 42	77 50	33 00	33 00
24 x 36	54 00	24 90	24 90	30 x 44	95 00	39 00	39 00
28 x 28	28 50	11 40	11 40	32 x 36	73 00	31 00	31 00
28 x 30	29 50	11 80	11 80	36 x 30	90 00	35 00	35 00
28 x 32	31 00	13 10	13 10	36 x 40	105 00	44 00	44 00
28 x 36	33 90	13 90	13 90	36 x 42	112 00	46 00	46 00
32 x 30	36 00	16 00	16 00	36 x 44	122 00	54 00	54 00
32 x 32	42 00	17 50	17 50	36 x 34	132 00	54 00	54 00
32 x 36	47 50	20 50	20 50	36 x 36	100 00	43 80	43 80
32 x 38	52 00	22 50	22 50	36 x 40	112 00	46 00	46 00
32 x 42	64 00	27 00	27 00	36 x 42	120 00	50 00	50 00

VENTILATORS FOR CORDS—50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on sizes above.

Extra Heavy Faces furnished at 50 per cent. advance upon the ordinary faces. In ordering Ventilators specify whether for side wall or ceiling. Registers without Valves, 10 per cent. off list of Black Japanned.



STANDARD.

## Registers and Faces.

Suitable for Wall or Ceiling only.

## White Japanned.

SIZE OF OPENING	Register	Face	SIZE OF OPENING	Register	Face
4 1/2 x 6 1/2	1 75	85	0 x 24	13 20	6 50
4 x 8	1 80	90	0 x 25	15 65	7 40
4 x 10	1 90	1 10	0 x 26	16 75	7 85
4 x 12	2 20	1 35	0 x 28	18 00	8 45
4 x 13	3 00	1 50	0 x 30	19 25	8 85
4 x 15	3 60	1 80	10 x 10	2 85	2 15
4 x 18	4 65	1 95	10 x 12	2 90	2 20
4 x 21	5 00	3 25	10 x 14	3 80	2 85
4 x 24	7 00	3 75	10 x 15	4 85	3 40
6 x 8	1 90	1 25	10 x 16	5 85	3 95
6 x 9	1 90	1 30	10 x 18	8 05	5 05
6 x 10	1 95	1 40	10 x 20	10 50	5 75
6 x 11	2 15	1 50	10 x 22	12 00	6 25
6 x 12	2 25	1 60	10 x 24	13 40	6 60
6 x 13	3 10	1 85	10 x 25	15 55	7 00
6 x 14	3 40	2 00	10 x 26	16 45	7 95
6 x 15	4 30	2 35	10 x 28	18 95	8 40
6 x 16	4 65	2 55	10 x 30	19 25	8 85
6 x 17	5 00	2 80	10 x 32	20 40	9 20
6 x 18	5 30	3 15	10 x 34	21 55	9 55
6 x 20	5 50	3 50	11 x 10	2 85	2 15
6 x 22	6 20	3 70	11 x 12	3 10	2 40
6 x 24	7 20	4 40	11 x 14	4 10	3 40
6 x 26	8 40	5 30	11 x 16	5 25	3 65
6 x 28	9 60	5 75	11 x 18	6 40	4 00
6 x 30	11 00	6 25	11 x 20	7 60	4 40
6 x 32	12 40	6 50	11 x 22	8 15	4 85
6 x 34	14 25	7 00	11 x 24	9 00	5 30
6 x 36	16 30	7 90	11 x 26	10 50	5 75
6 x 38	18 40	8 85	11 x 28	12 00	6 25
6 x 40	20 50	9 80	11 x 30	13 40	6 60
6 x 42	22 60	10 80	11 x 32	15 55	7 00
6 x 44	24 80	11 85	11 x 34	16 45	7 95
6 x 46	27 00	12 90	11 x 36	18 95	8 40
6 x 48	29 20	14 00	11 x 38	20 40	8 85
6 x 50	31 40	15 10	11 x 40	21 55	9 20
6 x 52	33 60	16 20	11 x 42	23 10	9 55
6 x 54	35 80	17 30	11 x 44	24 25	10 00
6 x 56	38 00	18 40	11 x 46	25 40	10 45
6 x 58	40 20	19 50	11 x 48	26 55	10 90
6 x 60	42 40	20 60	11 x 50	28 10	11 35
6 x 62	44 60	21 70	11 x 52	29 25	11 80
6 x 64	46 80	22 80	11 x 54	30 40	12 25
6 x 66	49 00	23 90	11 x 56	31 55	12 70
6 x 68	51 20	25 00	11 x 58	33 10	13 15
6 x 70	53 40	26 10	11 x 60	34 25	13 60
6 x 72	55 60	27 20	11 x 62	35 40	14 05
6 x 74	57 80	28 30	11 x 64	36 55	14 50
6 x 76	60 00	29 40	11 x 66	38 10	15 35
6 x 78	62 20	30 50	11 x 68	39 25	16 20
6 x 80	64 40	31 60	11 x 70	40 40	17 05
6 x 82	66 60	32 70	11 x 72	41 55	17 90
6 x 84	68 80	33 80	11 x 74	43 10	18 75
6 x 86	71 00	34 90	11 x 76	44 25	19 60
6 x 88	73 20	36 00	11 x 78	45 40	20 45
6 x 90	75 40	37 10	11 x 80	46 55	21 30
6 x 92	77 60	38 20	11 x 82	48 10	22 15
6 x 94	79 80	39 30	11 x 84	49 25	23 00
6 x 96	82 00	40 40	11 x 86	50 40	23 85
6 x 98	84 20	41 50	11 x 88	51 55	24 70
6 x 100	86 40	42 60	11 x 90	53 10	25 55
6 x 102	88 60	43 70	11 x 92	54 25	26 40
6 x 104	90 80	44 80	11 x 94	55 40	27 25
6 x 106	93 00	45 90	11 x 96	56 55	28 10
6 x 108	95 20	47 00	11 x 98	58 10	28 95
6 x 110	97 40	48 10	11 x 100	59 25	29 80
6 x 112	99 60	49 20	11 x 102	60 40	30 65
6 x 114	101 80	50 30	11 x 104	61 55	31 50
6 x 116	104 00	51 40	11 x 106	63 10	32 35
6 x 118	106 20	52 50	11 x 108	64 25	33 20
6 x 120	108 40	53 60	11 x 110	65 40	34 05
6 x 122	110 60	54 70	11 x 112	66 55	34 90
6 x 124	112 80	55 80	11 x 114	68 10	35 75
6 x 126	115 00	56 90	11 x 116	69 25	36 60
6 x 128	117 20	58 00	11 x 118	70 40	37 45
6 x 130	119 40	59 10	11 x 120	71 55	38 30
6 x 132	121 60	60 20	11 x 122	73 10	39 15
6 x 134	123 80	61 30	11 x 124	74 25	40 00
6 x 136	126 00	62 40	11 x 126	75 40	40 85
6 x 138	128 20	63 50	11 x 128	76 55	41 70
6 x 140	130 40	64 60	11 x 130	78 10	42 55
6 x 142	132 60	65 70	11 x 132	79 25	43 40
6 x 144	134 80	66 80	11 x 134	80 40	44 25
6 x 146	137 00	67 90	11 x 136	81 55	45 10
6 x 148	139 20	69 00	11 x 138	83 10	45 95
6 x 150	141 40	70 10	11 x 140	84 25	46 80
6 x 152	143 60	71 20	11 x 142	85 40	47 65
6 x 154	145 80	72 30	11 x 144	86 55	48 50
6 x 156	148 00	73 40	11 x 146	88 10	49 35
6 x 158	150 20	74 50	11 x 148	89 25	50 20
6 x 160	152 40	75 60	11 x 150	90 40	51 05
6 x 162	154 60	76 70	11 x 152	91 55	51 90
6 x 164	156 80	77 80	11 x 154	93 10	52 75
6 x 166	159 00	78 90	11 x 156	94 25	53 60
6 x 168	161 20	80 00	11 x 158	95 40	54 45
6 x 170	163 40	81 10	11 x 160	96 55	55 30
6 x 172	165 60	82 20	11 x 162	98 10	56 15
6 x 174	167 80	83 30	11 x 164	99 25	57 00
6 x 176	170 00	84 40	11 x 166	100 40	57 85
6 x 178	172 20	85 50	11 x 168	101 55	58 70
6 x 180	174 40	86 60	11 x 170	103 10	59 55
6 x 182	176 60	87 70	11 x 172	104 25	60 40
6 x 184	178 80	88 80	11 x 174	105 40	61 25
6 x 186	181 00	89 90	11 x 176	106 55	62 10
6 x 188	183 20	91 00	11 x 178	108 10	62 95
6 x 190	185 40	92 10	11 x 180	109 25	63 80
6 x 192	187 60	93 20	11 x 182	110 40	64 65
6 x 194	189 80	94 30	11 x 184	111 55	65 50
6 x 196	192 00	95 40	11 x 186	113 10	66 35
6 x 198	194 20	96 50	11 x 188	114 25	67 20
6 x 200	196 40	97 60	11 x 190	115 40	68 05
6 x 202	198 60	98 70	11 x 192	116 55	68 90
6 x 204	200 80	99 80	11 x 194	118 10	69 75
6 x 206	203 00	100 90	11 x 196	119 25	70 60
6 x 208	205 20	102 00	11 x 198	120 40	71 45
6 x 210	207 40	103 10	11 x 200	121 55	72 30
6 x 212	209 60	104 20	11 x 202	123 10	73 15
6 x 214	211 80	105 30	11 x 204	124 25	74 00
6 x 216	214 00	106 40	11 x 206	125 40	74 85
6 x 218	216 20	107 50	11 x 208	126 55	75 70
6 x 220	218 40	108 60	11 x 210	128 10	76 55
6 x 222	220 60	109 70	11 x 212	129 25	77 40
6 x 224	222 80	110 80	11 x 214	130 40	78 25
6 x 226	225 00	111 90	11 x 216	131 55	79 10
6 x 228	227 20	113 00	11 x 218	133 10	79 95
6 x 230	229 40	114 10	11 x 220	134 25	80 80
6 x 232	231 60	115 20	11 x 222	135 40	81 65
6 x 234	233 80	116 30	11 x 224	136 55	82 50
6 x 236	236 00	117 40	11 x 226	138 10	83 35
6 x 238	238 20	118 50	11 x 228	139 25	84 20
6 x 240	240 40	119 60	11 x 230	140 40	85 05
6 x 242	242 60	120 70	11 x 232	141 55	85 90
6 x 244	244 80	121 80	11 x 234	143 10	86 75
6 x 246	247 00	122 90	11 x 236	144 25	87 60
6 x 248	249 20	124 00	11 x 238	145 40	88 45
6 x 250	251 40	125 10	11 x 240	146 55	89 30
6 x 252	253 60	126 20	11 x 242	148 10	90 15
6 x 254	255 80	127 30	11 x 244	149 25	91 00
6 x 256	258 00	128 40	11 x 246	150 40	91 85
6 x 258	260 20	129 50	11 x 248	151 55	92 70
6 x 260	262 40	130 60	11 x 250	153 10	93 55
6 x 262	264 60	131 70	11 x 252	154 25	94 40
6 x 264	266 80	132 80	11 x 254	155 40	95 25
6 x 266	269 00	133 90	11 x 256	156 55	96 10
6 x 268	271 20	135 00	11 x 258	158 10	96 95
6 x 270	273 40	136 10	11 x 260	159 25	97 80
6 x 272	275 60	137 20	11 x 262	160 40	98 65
6 x 274	277 80	138 30	11 x 264	161 55	99 50
6 x 276	280 00	139 40	11 x 266	163 10	100 35
6 x 278	282 20	140 50	11 x 268	164 25	101 20
6 x 280	284 40	141 60	11 x 270	165 40	102 05
6 x 282	286 60	142 70	11 x 272	166 55	102 90
6 x 284	288 80	143 80	11 x 274	168 10	103 75
6 x 286	291 00	144 90	11 x 276	169 25	104 60
6 x 288	293 20	146 00	11 x 278	170 40	105 45
6 x 290	295 40	147 10	11 x 280	171 55	106 30
6 x 292	297 60	148 20	11 x 282	173 10	107 15
6 x 294	299 80	149 30	11 x 284	174 25	108 00
6 x 296	302 00	150 40	11 x 286	175 40	108 85
6 x 298	304 20	151 50	11 x 288	176 55	109 70
6 x 300	306 40	152 60	11 x 290	178 10	110 55

## Registers and Faces.

Suitable for Wall or Ceiling only.

White Japanned—Continued.

SIZE OF OPENING	Register	Face	SIZE OF OPENING	Register	Face
18 x 27	30 35	13 50	24 x 24	37 00	15 00
18 x 30	31 35	16 35	24 x 26	38 40	16 35
18 x 36	41 80	21 00	24 x 27	37 85	17 40
20 x 40	21 75	10 00	24 x 30	41 80	21 05
20 x 48	23 75	10 55	24 x 32	46 75	22 25
20 x 54	24 20	10 60	24 x 36	55 00	27 00
20 x 58	25 35	11 85	24 x 42	74 25	35 25
20 x 60	21 80	14 40	27 x 27	40 95	20 70
20 x 30	36 85	16 85	27 x 36	61 00	30 60
20 x 36	41 25	20 85	28 x 28	16 40	29 40
20 x 38	47 30	22 80	28 x 30	33 35	35 85
21 x 31	26 95	12 20	28 x 32	58 30	29 80
21 x 33	30 80	13 90	28 x 36	70 40	33 40
21 x 36	31 90	14 50	30 x 30	53 90	26 40
21 x 37	46 20	22 10	30 x 36	74 25	35 25
21 x 37	53 90	20 40	30 x 42	85 25	40 75
21 x 39	59 40	30 30	30 x 48	104 50	48 50
22 x 28	31 35	14 25	32 x 30	81 00	39 00
22 x 32	32 45	14 75	36 x 36	88 00	43 00
22 x 40	34 10	16 20	36 x 40	115 00	54 50
22 x 48	37 20	17 30	36 x 42	123 20	57 20
22 x 50	39 60	19 60	36 x 48	145 20	67 20
22 x 52	46 20	21 70	36 x 38	110 00	53 50
22 x 56	52 25	25 25	36 x 48	123 20	57 20
22 x 58	57 20	27 70	38 x 42	152 00	62 00
22 x 62	70 40	33 40			

VENTILATORS FOR CORDS—50 cents list extra on sizes up to 24 x 24, and \$1.00 list extra on sizes above.

In ordering Ventilators specify whether for side wall or ceiling.



COLONIAL.

## Registers, Faces, Borders.

Nickel-Plated, also Bronzed in Gold, Silver and Copper Finish.

SIZE OF OPENING	Register	Face	Floor Border	SIZE OF OPENING	Register	Face	Floor Border
4 1/2 x 6 1/2	2 00	1 15	1 75	9 x 24	16 00	9 30	9 30
4 x 8	2 20	1 30	1 85	9 x 25	18 25	10 00	10 00
4 x 10	2 40	1 60	2 00	9 x 26	19 25	10 25	10 25
4 x 12	2 80	2 15	2 55	9 x 28	21 75	11 50	11 50
4 x 13	3 50	2 60	3 75	9 x 30	22 50	12 10	12 10
4 x 15	4 00	2 70	3 40	10 x 10	4 35	3 65	3 70
4 x 18	5 00	3 20	4 65	10 x 13	4 40	3 70	3 75
4 x 21	6 50	4 25	5 15	10 x 14	5 25	4 30	4 30
4 x 24	7 50	4 75	5 75	10 x 15	6 30	4 50	4 50
5 x 8	2 75	2 10	2 35	10 x 16	7 20	5 30	5 30
5 x 9	2 90	2 30	2 60	10 x 18	8 45	6 45	6 45
5 x 10	2 95	2 40	2 65	10 x 20	12 00	7 50	7 50
5 x 11	3 25	2 60	2 80	10 x 22	14 50	9 00	9 00
5 x 12	3 45	2 85	3 00	10 x 24	16 25	9 45	9 45
5 x 13	4 25	3 00	3 45	10 x 28	23 50	13 00	13 00
5 x 14	4 80	3 50	3 90	10 x 30	25 50	14 00	14 00
5 x 15	5 60	3 65	4 00	10 x 34	31 50	16 75	16 75
5 x 16	5 90	3 80	4 60	10 x 36	33 00	17 50	17 50
5 x 17	6 20	4 00	4 70	10 x 42	45 00	25 00	25 00
5 x 18	7 25	4 10	5 20	11 x 17	8 95	6 40	6 40
5 x 20	18 50	7 75	10 00	11 x 18	9 50	6 70	6 70
6 x 8	2 80	2 10	2 35	11 x 20	12 00	7 50	7 50
6 x 9	2 95	2 25	2 55	11 x 22	6 35	5 05	5 05
6 x 10	3 00	2 40	2 65	12 x 12	6 35	5 35	5 35
6 x 12	3 50	2 90	3 10	12 x 15	8 40	6 40	6 40
6 x 14	4 95	3 75	4 00	12 x 16	8 25	6 15	6 15
6 x 16	6 00	4 00	4 70	12 x 17	9 00	6 45	6 45
6 x 18	7 00	4 50	5 50	12 x 18	9 55	6 65	6 65
6 x 20	8 20	4 75	5 80	12 x 19	10 85	6 85	6 85
6 x 22	10 00	6 00	6 95	12 x 20	12 20	7 60	7 60
6 x 24	12 00	7 00	7 50	12 x 22	16 30	9 55	9 55
6 x 28	14 50	8 00	9 00	12 x 30	26 00	14 20	14 20
6 x 30	16 50	8 90	10 00	12 x 32	31 50	16 75	16 75
6 x 32	18 00	9 50	10 50	12 x 34	32 25	17 25	17 25
7 x 7	2 90	2 35	2 55	12 x 36	33 75	17 75	17 75
7 x 10	3 10	2 55	2 70	12 x 40	45 00	25 00	25 00
7 x 12	3 60	2 95	3 20	12 x 42	54 00	32 25	32 25
7 x 14	5 00	3 95	4 30	14 x 15	11 00	7 15	7 15
7 x 15	5 90	4 70	4 70	14 x 17	11 25	7 25	7 25
7 x 16	6 00	4 70	4 70	14 x 18	11 50	7 30	7 30
7 x 18	8 15	5 15	5 50	14 x 20	12 00	7 50	7 50
7 x 20	8 15	5 15	5 50	14 x 22	13 00	8 50	8 50
7 x 22	8 15	5 15	5 50	14 x 24	14 50	9 00	9 00
7 x 24	8 15	5 15	5 50	14 x 26	19 50	11 50	11 50
7 x 26	8 15	5 15	5 50	14 x 28	22 00	13 00	13 00
7 x 28	8 15	5 15	5 50	14 x 30	22 00	13 00	13 00
7 x 30	8 15	5 15	5 50	15 x 15	60 00	35 25	31 65
7 x 32	8 15	5 15	5 50	15 x 16	14 00	8 30	8 30
7 x 34	8 15	5 15	5 50	15 x 20	16 00	10 00	10 00
7 x 36	8 15	5 15	5 50	15 x 22	16 85	10 50	10 30
7 x 38	8 15	5 15	5 50	15 x 24	28 00	12 60	12 60
7 x 40	8 15	5 15	5 50	15 x 26	33 00	16 00	16 00
7 x 42	8 15	5 15	5 50	15 x 30	41 25	23 25	23 25
7 x 44	8 15	5 15	5 50	15 x 34	41 25	23 25	23 25
7 x 46	8 15	5 15	5 50	16 x 16	15 00	9 10	9 10
7 x 48	8 15	5 15	5 50	16 x 18	18 20	9 50	9 50
7 x 50	8 15	5 15	5 50	16 x 20	16 50	10 30	10 30
7 x 52	8 15	5 15	5 50	16 x 22	19 50	11 50	11 50
7 x 54	8 15	5 15	5 50	16 x 24	20 00	12 00	12 00
7 x 56	8 15	5 15	5 50	16 x 28	30 50	16 20	16 20
7 x 58	8 15	5 15	5 50	16 x 30	35 00	18 25	18 25
7 x 60	8 15	5 15	5 50	16 x 32	38 25	20 35	20 35
7 x 62	8 15	5 15	5 50	16 x 36	45 00	25 30	25 30
7 x 64	8 15	5 15	5 50	18 x 18	22 75	12 45	12 45
7 x 66	8 15	5 15	5 50	18 x 20	24 75	12 85	12 85
7 x 68	8 15	5 15	5 50	18 x 22	26 00	13 25	13 25
7 x 70	8 15	5 15	5 50	18 x 24	27 75	14 60	14 60

## Registers, Faces, Borders.

Nickel-Plated, also Bronzed in Gold, Silver and Copper Finish—Continued.

SIZE OF OPENING	Register	Register Face	Floor Border	SIZE OF OPENING	Register	Register Face	Floor Border
18 x 27	35 00	18 25	18 25	24 x 24	40 00	22 00	22 00
18 x 30	38 00	21 00	21 00	24 x 26	44 00	24 10	24 10
18 x 36	48 50	28 10	26 00	24 x 27	45 00	25 00	25 00
20 x 20	24 75	13 00	13 00	24 x 30	50 00	29 25	28 75
20 x 22	27 60	14 40	14 40	24 x 32	55 50	31 00	30 00
20 x 24	28 20	14 80	14 80	24 x 36	65 50	37 50	34 25
20 x 26	32 00	17 50	17 50	24 x 45	89 60	50 50	40 00
20 x 28	37 40	20 00	20 00	27 x 27	49 25	29 00	28 00
20 x 30	43 00	23 50	23 50	27 x 32	76 00	45 00	36 00
20 x 32	44 50	28 10	26 00	28 x 28	57 50	32 50	31 60
20 x 34	54 00	29 60	28 50	28 x 30	61 50	35 50	32 00
21 x 21	31 00	16 25	16 25	28 x 32	68 00	39 50	35 00
21 x 25	33 50	18 60	18 60	28 x 36	76 00	40 00	37 00
21 x 29	40 50	22 20	22 20	30 x 30	85 00	37 00	34 00
21 x 33	52 00	29 35	28 35	30 x 36	90 00	51 00	41 00
21 x 37	60 00	35 00	31 65	30 x 42	102 00	57 60	52 50
21 x 39	67 00	38 50	34 50	30 x 48	124 00	68 00	60 00
22 x 22	36 80	19 40	19 40	32 x 36	96 00	54 00	47 00
22 x 24	37 90	20 20	20 20	32 x 36	105 00	60 00	54 50
22 x 26	41 00	23 60	23 60	32 x 40	135 00	75 00	62 10
22 x 28	44 00	24 60	24 00	32 x 42	143 00	77 00	68 00
22 x 30	46 50	26 50	25 50	32 x 48	168 00	90 00	76 00
22 x 32	54 00	29 50	28 50	32 x 38	180 00	71 00	69 00
22 x 36	60 50	35 00	31 75	32 x 40	142 00	76 00	64 00
22 x 39	65 50	37 50	34 25	32 x 42	158 00	83 00	71 00
22 x 42	75 00	43 00	35 00				

VENTILATORS FOR CORDS—50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on sizes above.

In ordering Ventilators specify whether for side wall or ceiling.



FLORENTINE.



# Registers, Faces, Borders.

Electro-Plated, Brass, Bronze or Copper.

SIZE OF OPENING	Register	Register Face	Floor Border	SIZE OF OPENING	Register	Register Face	Floor Border
4 x 6	2 20	1 35	2 10	9 x 24	18 10	11 40	11 90
4 x 8	2 40	1 50	2 15	9 x 25	20 50	12 25	12 50
4 x 10	2 60	1 80	2 40	9 x 26	21 65	12 65	12 90
4 x 12	3 10	2 45	3 00	9 x 28	24 25	14 40	14 80
4 x 13	3 80	2 90	3 75	9 x 30	25 25	14 80	15 10
4 x 15	4 30	3 00	4 00	10 x 10	5 85	4 65	5 30
4 x 18	5 40	3 60	5 00	10 x 12	5 50	4 80	5 35
4 x 20	7 00	4 75	6 00	10 x 14	6 65	5 60	6 00
4 x 21	8 10	5 85	7 00	10 x 15	7 00	6 20	6 60
4 x 24	9 00	6 35	7 90	10 x 16	8 61	6 70	7 10
5 x 8	3 15	2 50	3 10	10 x 18	11 00	8 00	8 55
5 x 9	3 25	2 70	3 25	10 x 20	14 80	9 30	9 80
5 x 11	3 50	2 85	3 50	10 x 22	16 40	11 00	11 00
5 x 12	3 90	3 30	3 75	10 x 24	18 50	12 00	12 15
5 x 13	4 60	3 50	4 00	10 x 26	20 00	15 50	15 75
5 x 14	5 20	3 90	4 50	10 x 30	24 00	16 75	17 00
5 x 15	6 10	4 15	4 90	10 x 32	24 50	30 40	25 95
5 x 16	6 40	4 30	5 00	10 x 36	33 00	22 60	25 00
5 x 17	6 80	4 60	5 80	10 x 42	45 50	37 40	29 85
5 x 18	7 55	4 75	6 80	11 x 17	10 50	8 00	8 60
5 x 20	8 50	5 11	7 50	11 x 18	11 15	8 25	8 95
6 x 6	3 40	2 35	3 00	11 x 20	14 00	9 40	9 80
6 x 8	3 10	2 50	3 00	12 x 12	7 90	6 75	7 35
6 x 10	3 40	2 85	3 45	12 x 14	8 25	6 95	7 55
6 x 12	3 90	2 95	3 60	12 x 15	8 50	6 95	7 60
6 x 13	4 20	3 60	4 10	12 x 16	9 75	7 65	8 25
6 x 14	5 75	4 70	5 40	12 x 17	10 60	8 05	8 65
6 x 16	6 90	4 90	6 10	12 x 18	11 25	8 35	9 00
6 x 18	8 00	5 50	7 00	12 x 19	12 25	8 75	9 25
6 x 20	9 30	5 55	7 40	12 x 20	14 10	9 50	9 90
6 x 22	11 85	7 25	8 65	12 x 24	18 60	12 10	12 25
6 x 24	13 80	6 30	9 80	12 x 30	29 00	18 00	17 00
6 x 26	16 00	9 60	12 10	12 x 32	34 80	20 00	20 00
6 x 30	18 25	10 65	12 10	12 x 34	38 60	22 00	21 60
6 x 32	21 00	12 60	12 60	12 x 36	46 25	25 25	21 80
6 x 34	23 50	12 95	13 55	12 x 40	50 00	32 00	27 60
7 x 7	3 50	2 95	3 40	12 x 42	53 50	42 00	32 25
7 x 10	3 80	3 25	3 70	14 x 16	14 30	9 60	10 00
7 x 12	4 35	3 70	4 35	14 x 18	15 30	10 00	10 40
7 x 14	6 10	5 00	5 50	14 x 20	16 50	11 00	11 00
7 x 15	6 90	5 70	6 30	14 x 22	18 50	12 00	12 15
8 x 8	3 70	3 15	3 65	14 x 24	20 50	13 00	12 75
8 x 10	3 85	3 80	3 90	14 x 26	22 50	14 50	13 80
8 x 12	4 40	3 75	4 40	14 x 28	26 00	16 50	15 00
8 x 13	5 75	4 85	5 60	14 x 30	29 00	19 00	16 75
8 x 14	6 20	5 10	6 40	14 x 32	32 50	21 50	18 75
8 x 15	7 00	5 80	7 00	14 x 34	37 00	24 00	21 80
8 x 16	8 00	6 25	7 00	14 x 36	42 00	27 00	24 80
8 x 18	10 70	7 80	8 00	14 x 38	47 00	30 00	27 80
8 x 20	12 00	8 25	9 00	14 x 40	52 00	33 00	30 80
8 x 21	14 00	9 00	9 70	16 x 16	19 75	12 80	12 50
8 x 24	17 00	10 60	11 10	16 x 18	21 25	14 25	15 25
8 x 27	19 75	11 50	12 20	16 x 20	24 60	16 00	17 00
8 x 30	21 60	12 60	13 50	16 x 22	27 00	18 00	18 00
8 x 32	24 00	14 00	15 00	16 x 24	29 60	19 25	19 10
8 x 34	26 00	15 00	16 00	16 x 26	32 00	21 00	21 60
8 x 36	28 00	16 00	17 00	16 x 28	34 00	22 75	23 80
8 x 38	30 00	17 00	18 00	16 x 30	37 00	25 00	26 00
8 x 40	32 00	18 00	19 00	16 x 32	40 00	27 00	28 00
8 x 42	34 00	19 00	20 00	16 x 34	43 00	29 00	30 00
8 x 44	36 00	20 00	21 00	16 x 36	46 00	31 00	32 00
8 x 46	38 00	21 00	22 00	16 x 38	49 00	33 00	34 00
8 x 48	40 00	22 00	23 00	16 x 40	52 00	35 00	36 00
8 x 50	42 00	23 00	24 00	16 x 42	55 00	37 00	38 00
8 x 52	44 00	24 00	25 00	16 x 44	58 00	39 00	40 00
8 x 54	46 00	25 00	26 00	16 x 46	61 00	41 00	42 00
8 x 56	48 00	26 00	27 00	16 x 48	64 00	43 00	44 00
8 x 58	50 00	27 00	28 00	16 x 50	67 00	45 00	46 00
8 x 60	52 00	28 00	29 00	16 x 52	70 00	47 00	48 00
8 x 62	54 00	29 00	30 00	16 x 54	73 00	49 00	50 00
8 x 64	56 00	30 00	31 00	16 x 56	76 00	51 00	52 00
8 x 66	58 00	31 00	32 00	16 x 58	79 00	53 00	54 00
8 x 68	60 00	32 00	33 00	16 x 60	82 00	55 00	56 00
8 x 70	62 00	33 00	34 00	16 x 62	85 00	57 00	58 00
8 x 72	64 00	34 00	35 00	16 x 64	88 00	59 00	60 00
8 x 74	66 00	35 00	36 00	16 x 66	91 00	61 00	62 00
8 x 76	68 00	36 00	37 00	16 x 68	94 00	63 00	64 00
8 x 78	70 00	37 00	38 00	16 x 70	97 00	65 00	66 00
8 x 80	72 00	38 00	39 00	16 x 72	100 00	67 00	68 00
8 x 82	74 00	39 00	40 00	16 x 74	103 00	69 00	70 00
8 x 84	76 00	40 00	41 00	16 x 76	106 00	71 00	72 00
8 x 86	78 00	41 00	42 00	16 x 78	109 00	73 00	74 00
8 x 88	80 00	42 00	43 00	16 x 80	112 00	75 00	76 00
8 x 90	82 00	43 00	44 00	16 x 82	115 00	77 00	78 00
8 x 92	84 00	44 00	45 00	16 x 84	118 00	79 00	80 00
8 x 94	86 00	45 00	46 00	16 x 86	121 00	81 00	82 00
8 x 96	88 00	46 00	47 00	16 x 88	124 00	83 00	84 00
8 x 98	90 00	47 00	48 00	16 x 90	127 00	85 00	86 00
8 x 100	92 00	48 00	49 00	16 x 92	130 00	87 00	88 00
8 x 102	94 00	49 00	50 00	16 x 94	133 00	89 00	90 00
8 x 104	96 00	50 00	51 00	16 x 96	136 00	91 00	92 00
8 x 106	98 00	51 00	52 00	16 x 98	139 00	93 00	94 00
8 x 108	100 00	52 00	53 00	16 x 100	142 00	95 00	96 00
8 x 110	102 00	53 00	54 00	16 x 102	145 00	97 00	98 00
8 x 112	104 00	54 00	55 00	16 x 104	148 00	99 00	100 00
8 x 114	106 00	55 00	56 00	16 x 106	151 00	101 00	102 00
8 x 116	108 00	56 00	57 00	16 x 108	154 00	103 00	104 00
8 x 118	110 00	57 00	58 00	16 x 110	157 00	105 00	106 00
8 x 120	112 00	58 00	59 00	16 x 112	160 00	107 00	108 00
8 x 122	114 00	59 00	60 00	16 x 114	163 00	109 00	110 00
8 x 124	116 00	60 00	61 00	16 x 116	166 00	111 00	112 00
8 x 126	118 00	61 00	62 00	16 x 118	169 00	113 00	114 00
8 x 128	120 00	62 00	63 00	16 x 120	172 00	115 00	116 00
8 x 130	122 00	63 00	64 00	16 x 122	175 00	117 00	118 00
8 x 132	124 00	64 00	65 00	16 x 124	178 00	119 00	120 00
8 x 134	126 00	65 00	66 00	16 x 126	181 00	121 00	122 00
8 x 136	128 00	66 00	67 00	16 x 128	184 00	123 00	124 00
8 x 138	130 00	67 00	68 00	16 x 130	187 00	125 00	126 00
8 x 140	132 00	68 00	69 00	16 x 132	190 00	127 00	128 00
8 x 142	134 00	69 00	70 00	16 x 134	193 00	129 00	130 00
8 x 144	136 00	70 00	71 00	16 x 136	196 00	131 00	132 00
8 x 146	138 00	71 00	72 00	16 x 138	199 00	133 00	134 00
8 x 148	140 00	72 00	73 00	16 x 140	202 00	135 00	136 00
8 x 150	142 00	73 00	74 00	16 x 142	205 00	137 00	138 00
8 x 152	144 00	74 00	75 00	16 x 144	208 00	139 00	140 00
8 x 154	146 00	75 00	76 00	16 x 146	211 00	141 00	142 00
8 x 156	148 00	76 00	77 00	16 x 148	214 00	143 00	144 00
8 x 158	150 00	77 00	78 00	16 x 150	217 00	145 00	146 00
8 x 160	152 00	78 00	79 00	16 x 152	220 00	147 00	148 00
8 x 162	154 00	79 00	80 00	16 x 154	223 00	149 00	150 00
8 x 164	156 00	80 00	81 00	16 x 156	226 00	151 00	152 00
8 x 166	158 00	81 00	82 00	16 x 158	229 00	153 00	154 00
8 x 168	160 00	82 00	83 00	16 x 160	232 00	155 00	156 00
8 x 170	162 00	83 00	84 00	16 x 162	235 00	157 00	158 00
8 x 172	164 00	84 00	85 00	16 x 164	238 00	159 00	160 00
8 x 174	166 00	85 00	86 00	16 x 166	241 00	161 00	162 00
8 x 176	168 00	86 00	87 00	16 x 168	244 00	163 00	164 00
8 x 178	170 00	87 00	88 00	16 x 170	247 00	165 00	166 00
8 x 180	172 00	88 00	89 00	16 x 172	250 00	167 00	168 00
8 x 182	174 00	89 00	90 00	16 x 174	253 00	169 00	170 00
8 x 184	176 00	90 00	91 00	16 x 176	256 00	171 00	172 00
8 x 186	178 00	91 00	92 00	16 x 178	259 00	173 00	174 00
8 x 188	180 00	92 00	93 00	16 x 180	262 00	175 00	176 00
8 x 190	182 00	93 00	94 00	16 x 182	265 00	177 00	178 00
8 x 192	184 00	94 00	95 00	16 x 184	268 00	179 00	180 00
8 x 194	186 00	95 00	96 00	16 x 186	271 00	181 00	182 00
8 x 196	188 00	96 00	97 00	16 x 188	274 00	183 00	184 00
8 x 198	190 00	97 00	98 00	16 x 190	277 00	185 00	186 00
8 x 200	192 00	98 00	99 00	16 x 192	280 00	187 00	188 00
8 x 202	194 00	99 00	100 00	16 x 194	283 00	189 00</	



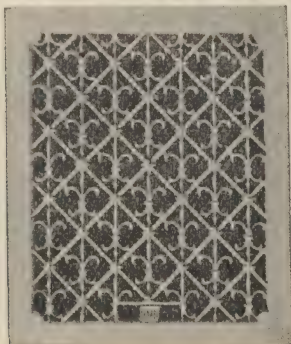
## Registers, Faces, Borders.

Electro-Plated, Brass, Bronze or Copper—Continued.

SIZE OF OPENING	Register	Register Face	Floor Border	SIZE OF OPENING	Register	Register Face	Floor Border
18 x 27	39 00	25 50	21 70	24 x 24	49 00	32 80	26 00
18 x 30	43 00	26 50	22 70	24 x 26	51 50	35 90	28 10
18 x 36	54 00	36 00	26 00	24 x 27	56 00	37 00	29 00
20 x 20	32 40	21 20	18 10	24 x 30	62 00	41 50	32 00
20 x 22	35 70	23 50	19 00	24 x 32	66 00	44 80	34 00
20 x 24	39 00	25 50	21 70	24 x 36	74 00	50 80	36 80
20 x 26	42 00	27 50	22 00	24 x 45	92 00	63 00	45 00
20 x 28	45 50	30 00	24 50	27 x 27	56 00	44 50	34 00
20 x 30	49 00	32 50	26 00	27 x 32	64 00	46 00	36 00
20 x 32	52 00	34 00	27 50	28 x 28	72 00	49 00	36 80
20 x 36	59 00	39 00	31 50	28 x 30	76 00	52 80	37 80
21 x 21	37 00	24 75	21 00	28 x 34	84 00	55 00	40 50
21 x 25	44 00	29 00	23 00	28 x 36	92 00	63 00	45 00
21 x 29	52 00	34 00	27 50	30 x 30	85 00	56 00	41 00
21 x 33	56 50	37 25	31 00	30 x 36	102 00	70 00	48 00
21 x 39	65 00	43 50	33 50	30 x 42	119 00	87 00	60 00
22 x 22	41 00	27 00	21 75	30 x 48	136 00	94 00	72 00
22 x 24	44 00	29 00	23 00	32 x 36	111 00	79 00	54 00
22 x 26	48 00	32 00	25 50	36 x 36	127 00	83 00	56 00
22 x 28	52 00	34 00	27 50	36 x 40	142 00	95 00	60 50
22 x 30	55 00	36 50	28 75	36 x 42	150 00	96 50	62 50
22 x 32	59 00	39 00	31 50	38 x 38	173 00	103 00	67 00
22 x 36	66 00	44 50	34 00	38 x 40	185 00	105 50	71 00
22 x 39	70 00	47 00	36 00	38 x 42	193 00	107 00	73 50
22 x 42	82 50	53 50	39 50		160 00	100 00	83 50

VENTILATORS FOR CORDS—50 cents list extra on sizes up to 14 x 14, and \$1.00 list extra on sizes above.

In ordering Ventilators specify whether for side wall or ceiling.



FLEUR DE LIS.

## Registers, Faces, Borders.

For Either Floor or Wall. Solid Brass or Bronze Metal.

Highly Polished and Lacquered.

SIZE OF OPENING	Register	Register Face	Floor Border	SIZE OF OPENING	Register	Register Face	Floor Border
4 x 6 1/2	2 80	2 20	5 40	9 x 24	19 25	16 10	17 90
4 x 8	2 90	2 35	5 65	9 x 25	21 10	17 30	18 20
4 x 10	3 75	3 00	6 60	9 x 26	22 10	18 60	18 90
4 x 12	4 50	3 60	7 50	9 x 28	25 15	21 00	21 00
4 x 13	4 90	3 85	8 00	9 x 30	26 20	22 30	22 00
4 x 15	5 60	4 35	8 95	10 x 10	9 50	7 50	11 40
4 x 18	6 75	5 30	9 90	10 x 12	11 00	9 15	12 30
4 x 21	7 85	6 05	10 80	10 x 14	12 55	10 55	13 60
4 x 24	9 00	6 85	11 50	10 x 15	13 75	11 50	14 00
5 x 8	3 35	2 30	6 15	10 x 16	14 45	12 45	14 90
5 x 9	4 00	3 20	6 65	10 x 18	16 10	14 00	16 30
5 x 10	4 45	3 50	7 15	10 x 20	18 00	15 60	17 70
5 x 11	4 90	3 85	8 05	10 x 22	20 50	17 30	18 00
5 x 12	5 35	4 25	8 20	10 x 24	21 70	18 25	18 70
5 x 13	5 75	4 55	9 00	10 x 28	27 00	23 00	21 75
5 x 14	6 20	4 95	9 20	10 x 30	29 00	24 30	23 50
5 x 15	6 65	5 25	9 50	10 x 34	33 90	30 40	25 95
5 x 16	7 15	5 65	10 05	10 x 36	36 00	30 50	27 50
5 x 17	7 55	6 00	10 15	10 x 42	45 50	37 40	29 95
5 x 18	8 00	6 25	10 95	11 x 17	17 15	14 45	16 40
5 x 19	8 40	6 50	11 50	11 x 18	19 00	16 00	17 40
6 x 6	3 60	2 90	6 20	11 x 20	23 90	17 40	18 00
6 x 8	4 10	3 30	6 70	12 x 13	13 75	11 40	14 10
6 x 9	4 60	3 70	7 50	12 x 14	16 10	14 00	16 30
6 x 10	5 10	4 05	8 10	12 x 15	16 80	14 25	16 40
6 x 12	6 15	4 90	9 15	12 x 16	18 00	15 60	17 70
6 x 14	7 15	5 65	10 05	12 x 17	19 10	16 05	17 85
6 x 16	8 20	6 50	11 00	12 x 18	20 50	17 30	18 00
6 x 18	9 30	7 35	11 75	12 x 19	21 35	18 10	18 25
6 x 20	10 25	8 15	12 50	12 x 20	22 40	19 00	19 10
6 x 22	12 00	9 50	13 45	12 x 22	26 95	22 80	22 15
6 x 24	14 00	12 00	14 40	12 x 30	33 65	28 50	24 75
6 x 28	16 75	14 20	16 85	12 x 34	35 90	30 40	25 95
6 x 30	19 00	16 00	17 80	12 x 36	38 25	32 40	27 10
6 x 32	22 00	18 50	18 80	12 x 40	40 40	34 25	28 25
7 x 7	4 25	3 40	6 75	12 x 42	45 50	37 40	29 95
7 x 10	6 05	4 85	9 10	12 x 48	64 00	53 50	38 00
7 x 12	7 35	6 00	10 20	14 x 14	19 00	16 00	17 80
7 x 14	8 50	6 85	11 05	14 x 15	20 35	17 25	17 95
7 x 15	9 10	7 30	11 65	14 x 16	21 70	17 25	18 70
8 x 8	5 60	4 35	8 95	14 x 18	24 50	20 80	20 50
8 x 10	7 00	5 50	10 00	14 x 20	27 10	23 10	22 50
8 x 12	8 60	6 90	11 10	14 x 22	29 85	25 45	23 60
8 x 13	9 10	7 30	11 65	14 x 24	32 50	27 50	23 65
8 x 14	9 80	8 10	12 10	14 x 26	36 00	31 00	25 00
8 x 15	10 85	8 65	12 65	14 x 28	41 00	35 00	26 00
8 x 16	11 20	9 25	13 90	14 x 30	43 70	37 25	26 70
8 x 18	12 80	10 60	15 65	16 x 16	25 15	21 00	21 00
8 x 20	14 00	12 00	16 40	16 x 18	29 00	24 80	23 90
8 x 21	15 00	13 50	17 15	16 x 20	32 75	28 00	24 25
8 x 24	18 00	15 60	17 70	16 x 22	35 40	30 20	25 85
8 x 27	20 50	17 30	18 00	16 x 24	38 65	33 00	27 60
8 x 30	22 25	18 65	19 00	16 x 26	45 10	37 20	29 75
8 x 32	25 00	21 00	20 00	16 x 28	48 30	41 15	31 50
9 x 9	7 20	6 90	10 10	16 x 30	51 00	43 40	33 55
9 x 12	9 00	8 00	12 00	16 x 32	53 65	46 00	35 00
9 x 13	10 45	8 60	12 60	16 x 34	56 20	47 90	36 50
9 x 14	11 70	9 15	13 90	16 x 36	59 00	50 00	38 00
9 x 15	12 60	10 00	15 60	18 x 18	33 65	29 50	24 75
9 x 16	13 50	10 65	16 20	18 x 20	36 00	30 50	26 20
9 x 17	14 65	11 25	17 70	18 x 22	38 65	32 70	27 60
9 x 18	15 25	12 45	18 50	18 x 24	41 00	34 15	28 55
9 x 19	16 10	13 90	19 20	18 x 26	43 70	36 00	29 75
9 x 20	17 60	14 00	20 00	18 x 28	46 25	37 70	30 65
9 x 22	18 60	14 65	21 00	18 x 30	48 75	39 00	31 50

## Registers, Faces, Borders.

For either Floor or Wall. Solid Brass or Bronze Metal.

Highly Polished and Lacquered—Continued.

SIZE OF OPENING	Register	Register Face	Floor Border	SIZE OF OPENING	Register	Register Face	Floor Border
18 x 27..	50 20..	42 00..	32 50..	24 x 34..	66 35..	56 75..	37 30..
18 x 30..	56 15..	47 75..	34 75..	24 x 36..	72 00..	62 25..	43 75..
18 x 36..	57 35..	57 75..	36 30..	24 x 37..	74 00..	64 00..	47 50..
20 x 30..	43 90..	36 75..	29 00..	24 x 38..	82 00..	70 00..	54 00..
20 x 34..	46 30..	41 15..	31 50..	24 x 39..	86 25..	75 00..	57 00..
20 x 36..	51 50..	44 00..	33 50..	24 x 40..	98 40..	85 10..	64 00..
20 x 38..	55 75..	47 00..	34 65..	24 x 45..	123 00..	106 00..	80 00..
20 x 40..	60 00..	49 75..	36 00..	27 x 27..	88 25..	76 00..	57 00..
20 x 30..	64 36..	55 10..	37 00..	27 x 38..	121 90..	104 50..	78 00..
20 x 34..	68 65..	58 00..	39 00..	28 x 28..	93 15..	80 00..	62 00..
20 x 36..	77 20..	65 15..	50 00..	28 x 30..	94 80..	81 00..	63 00..
21 x 21..	48 30..	41 15..	31 50..	28 x 32..	106 40..	92 00..	69 00..
21 x 25..	57 00..	48 00..	35 00..	28 x 36..	119 75..	102 00..	76 00..
21 x 29..	66 35..	56 75..	37 30..	30 x 30..	111 35..	97 00..	74 00..
21 x 33..	76 45..	65 00..	48 00..	30 x 36..	128 15..	110 00..	83 00..
21 x 37..	84 65..	72 65..	55 00..	30 x 42..	146 00..	125 15..	110 00..
21 x 39..	89 20..	76 60..	58 50..	30 x 48..	178 20..	155 60..	123 00..
22 x 22..	51 70..	45 00..	34 50..	34 x 36..	142 00..	128 00..	95 00..
22 x 24..	57 00..	48 00..	36 00..	36 x 36..	156 00..	135 15..	110 00..
22 x 26..	62 70..	50 00..	38 50..	36 x 40..	178 20..	155 00..	123 00..
22 x 28..	67 10..	57 50..	43 00..	36 x 42..	184 00..	160 00..	124 00..
22 x 30..	71 90..	61 70..	43 10..	36 x 48..	207 40..	178 00..	167 00..
22 x 32..	76 65..	66 00..	49 25..	38 x 38..	178 20..	155 00..	125 00..
22 x 36..	86 25..	75 00..	57 00..	38 x 40..	184 00..	160 00..	130 00..
22 x 38..	91 00..	78 00..	60 00..	38 x 42..	192 50..	165 00..	135 00..
22 x 42..	105 00..	86 40..	65 00..				

— If for use in FLOOR, it should be so stated in ordering, when Strengthening Bars will be added.

Registers finished in any desired color to match Hardware, Woodwork or Decoration.



RENAISSANCE.

## Registers and Borders.

## White Porcelain Enamel.

SIZE OF OPENING	Register	Border	SIZE OF OPENING	Register	Border
4 x 6	8 00	2 70	9 x 24	18 25	18 40
4 x 8	8 40	3 05	9 x 25	19 50	18 45
4 x 10	8 75	3 40	9 x 26	21 65	19 50
4 x 12	9 60	4 00	9 x 28	24 25	21 55
4 x 13	9 00	5 40	9 x 30	25 25	22 75
4 x 15	7 00	6 30	10 x 10	8 25	7 40
4 x 18	8 40	7 85	10 x 12	9 80	8 80
4 x 21	9 80	8 60	10 x 14	11 50	10 85
4 x 24	11 10	10 00	10 x 15	12 30	11 10
5 x 8	4 20	3 80	10 x 16	13 10	11 60
5 x 9	4 70	4 15	10 x 18	14 60	13 80
5 x 10	5 30	4 80	10 x 20	16 40	14 75
5 x 11	5 90	5 30	10 x 22	18 50	16 85
5 x 12	6 30	5 65	10 x 24	21 00	18 80
5 x 13	6 80	6 10	10 x 26	22 50	20 90
5 x 14	7 40	6 55	10 x 30	30 00	27 00
5 x 15	7 90	7 10	10 x 34	31 90	31 00
5 x 16	8 40	7 55	10 x 36	34 25	34 45
5 x 17	8 90	8 00	10 x 42	50 00	45 00
5 x 18	9 50	8 55	11 x 17	13 30	13 75
5 x 40	20 50	18 50	11 x 18	16 20	14 60
6 x 8	3 40	3 05	11 x 20	18 00	16 20
6 x 8	4 60	4 15	12 x 12	11 40	10 60
6 x 9	5 10	4 60	12 x 14	13 80	12 40
6 x 10	5 70	5 15	12 x 15	14 80	13 80
6 x 12	6 80	6 10	12 x 16	15 80	14 50
6 x 14	8 00	7 20	12 x 17	16 70	15 00
6 x 16	9 10	8 20	12 x 18	17 70	15 90
6 x 18	10 30	9 35	12 x 19	18 70	16 80
6 x 20	11 45	10 25	12 x 20	20 00	18 00
6 x 22	12 80	11 75	12 x 24	23 25	20 95
6 x 24	14 00	12 60	12 x 30	30 00	27 00
6 x 28	17 00	15 80	12 x 32	31 50	28 10
6 x 30	18 50	16 65	12 x 34	36 50	32 75
6 x 32	21 00	18 90	12 x 36	38 25	34 45
7 x 7	4 75	4 30	12 x 40	50 00	45 00
7 x 10	6 60	5 95	13 x 18	63 50	56 50
7 x 12	7 90	7 10	14 x 14	14 25	14 60
7 x 14	9 20	8 30	14 x 15	17 50	15 35
7 x 15	9 90	8 90	14 x 16	18 40	16 55
8 x 8	5 50	4 95	14 x 18	20 10	18 10
8 x 10	6 90	6 20	14 x 20	22 30	20 95
8 x 12	8 30	7 45	14 x 22	27 40	24 65
8 x 13	9 00	8 10	14 x 24	28 60	26 55
8 x 14	9 70	8 70	14 x 26	31 50	28 50
8 x 15	10 30	9 25	14 x 28	39 50	32 55
8 x 16	11 20	10 10	15 x 15	18 50	16 65
8 x 18	12 40	11 15	15 x 20	25 80	22 40
8 x 20	14 00	12 15	15 x 21	26 70	23 85
8 x 21	14 50	13 05	15 x 25	31 00	27 90
8 x 24	17 50	15 75	15 x 30	37 50	33 75
8 x 27	20 00	18 40	15 x 34	46 00	41 40
8 x 30	21 60	19 45	16 x 16	21 20	19 05
8 x 32	24 00	20 30	16 x 18	23 80	21 40
9 x 9	6 90	6 20	16 x 20	26 30	23 65
9 x 12	7 10	6 25	16 x 22	29 00	26 10
9 x 13	7 80	6 80	16 x 24	31 60	28 45
9 x 16	10 60	9 55	16 x 28	36 70	33 05
9 x 18	11 30	10 15	16 x 30	39 40	35 45
9 x 20	12 10	10 90	16 x 34	42 40	38 25
9 x 21	12 90	11 60	16 x 36	50 00	45 00
9 x 24	13 60	12 25	18 x 18	26 60	23 95
9 x 27	14 40	12 95	18 x 20	30 00	27 00
9 x 30	15 10	13 60	18 x 21	32 10	28 90
9 x 32	16 00	14 95	18 x 24	35 50	31 95

## Registers and Borders.

White Porcelain Enamel—Continued.

SIZE OF OPENING	Register	Border	SIZE OF OPENING	Register	Border
18 x 27	39 00	35 90	24 x 24	49 00	39 30
18 x 30	44 80	39 85	24 x 26	54 50	41 00
18 x 36	54 10	45 70	24 x 27	56 00	44 00
20 x 20	52 50	29 25	24 x 30	62 00	48 00
20 x 24	55 70	32 15	24 x 32	66 00	52 00
20 x 26	59 00	35 10	24 x 36	74 00	56 30
20 x 28	62 00	37 80	24 x 42	92 00	71 00
20 x 30	65 50	40 95	27 x 27	66 00	53 00
20 x 32	69 00	44 10	27 x 36	94 00	76 30
20 x 36	82 00	46 80	28 x 28	72 00	57 00
20 x 38	89 00	53 10	28 x 30	77 00	61 00
21 x 21	37 00	29 00	28 x 32	84 00	67 30
21 x 23	44 00	35 20	28 x 36	92 00	73 00
21 x 26	52 00	41 60	30 x 30	85 00	68 00
21 x 28	56 00	46 40	30 x 36	102 00	81 00
21 x 32	65 00	52 00	30 x 42	119 00	93 00
21 x 37	74 00	59 20	30 x 48	136 00	108 00
22 x 22	41 00	32 80	32 x 36	111 00	86 00
22 x 24	44 00	35 20	36 x 36	127 00	101 00
22 x 26	48 00	38 40	36 x 40	142 00	112 00
22 x 28	52 00	41 60	36 x 42	150 00	120 00
22 x 30	55 00	44 00	36 x 48	173 00	138 00
22 x 32	59 00	47 20	38 x 38	145 00	116 00
22 x 36	66 00	52 80	38 x 40	153 00	123 00
22 x 38	70 00	56 00	38 x 42	160 00	128 00
22 x 42	82 50	66 00			

VENTILATORS FOR CORDS—50 cents list extra on sizes up to 14 x 14, and \$1.00  
list extra on sizes above.

In ordering Ventilators specify whether for side, wall or ceiling.

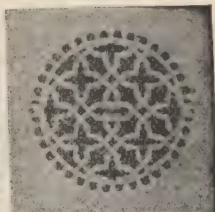


LOZENGE.



## Round Square Face Registers.

SIZES	Prices	
	Black	White
4	each, 2 00.....	each, 2 40.....
6	2 50.....	3 00.....
8	3 10.....	3 70.....
10	3 70.....	4 50.....
12	5 30.....	6 35.....



## Ventilating Plates.



SIZE OF OPENING	Japanned Black	Japanned White	Nickel Plated	Brass or Bronze Plated
2 x 6	0 30.....	0 35.....	0 30.....	0 65.....
2 x 9	80.....	55.....	75.....	96.....
2 x 12	00.....	75.....	1 00.....	1 30.....
2 x 15	75.....	85.....	1 25.....	1 50.....
2 x 18	85.....	1 10.....	1 50.....	1 85.....
2 x 20	1 10.....	1 25.....	1 60.....	2 25.....
2 x 24	1 20.....	1 40.....	1 95.....	2 35.....
2 x 30	1 45.....	1 65.....	2 40.....	3 00.....
2 x 36	55.....	65.....	90.....	1 10.....
3 x 12	60.....	70.....	1 10.....	1 45.....
3 x 15	1 00.....	1 15.....	1 70.....	2 10.....
3 x 20	1 10.....	1 25.....	1 95.....	2 35.....
3 x 24	1 35.....	1 50.....	2 30.....	2 90.....
3 x 36	1 95.....	2 25.....	3 40.....	4 29.....
4 x 6	50.....	55.....	75.....	96.....
4 x 9	65.....	75.....	1 10.....	1 38.....
4 x 12	85.....	1 00.....	1 45.....	1 70.....
4 x 15	1 10.....	1 25.....	1 80.....	2 25.....
4 x 18	1 35.....	1 50.....	2 20.....	2 60.....
4 x 24	1 70.....	1 95.....	2 90.....	3 65.....



## Slate Register Borders.

Inches.	Price.	Inches	Price.
6 x 8 . . . . .	\$0 16	18 x 24 . . . . .	\$2 10
6 x 9 . . . . .	28	20 x 20 . . . . .	1 90
6 x 10 . . . . .	30	20 x 24 . . . . .	2 30
6 x 14 . . . . .	38	20 x 26 . . . . .	2 50
6 x 16 . . . . .	45	21 x 29 . . . . .	3 00
6 x 18 . . . . .	51	24 x 24 . . . . .	2 70
7 x 7 . . . . .	28	27 x 27 . . . . .	3 40
7 x 10 . . . . .	32	27 x 38 . . . . .	4 00
8 x 8 . . . . .	30	30 x 30 . . . . .	4 50
8 x 10 . . . . .	34		
8 x 12 . . . . .	39		
8 x 15 . . . . .	52		
8 x 18 . . . . .	60		
9 x 9 . . . . .	36		
9 x 12 . . . . .	48		
9 x 13 . . . . .	50		
9 x 14 . . . . .	52		
10 x 10 . . . . .	44		
10 x 12 . . . . .	49		
10 x 14 . . . . .	55		
10 x 16 . . . . .	68		
10 x 18 . . . . .	80		
10 x 20 . . . . .	84		
12 x 12 . . . . .	58		
12 x 14 . . . . .	64		
12 x 15 . . . . .	70		
12 x 16 . . . . .	74		
12 x 17 . . . . .	84		
12 x 18 . . . . .	90		
12 x 19 . . . . .	96		
12 x 20 . . . . .	1 06		
12 x 24 . . . . .	1 22		
14 x 14 . . . . .	90		
14 x 16 . . . . .	1 00		
14 x 18 . . . . .	1 12		
14 x 20 . . . . .	1 24		
14 x 22 . . . . .	1 30		
15 x 25 . . . . .	1 80		
16 x 16 . . . . .	1 30		
16 x 18 . . . . .	1 40		
16 x 20 . . . . .	1 70		
16 x 24 . . . . .	1 90		

### ROUND BORDERS.

Inches.	Price.
6 . . . . .	\$0 28
7 . . . . .	32
8 . . . . .	36
9 . . . . .	42
10 . . . . .	50
12 . . . . .	64
14 . . . . .	78
16 . . . . .	1 10
18 . . . . .	1 28
20 . . . . .	1 80
24 . . . . .	2 52
30 . . . . .	4 50

### MARBLEIZED SLATE CIR. TOP

#### WALL BORDERS.

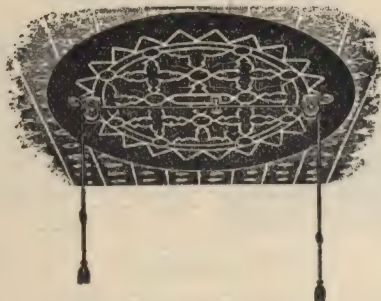
Inches.	Price.
8 x 12 . . . . .	\$0 90
9 x 12 . . . . .	90
10 x 14 . . . . .	1 06
11 x 13 . . . . .	1 06
13 x 15 . . . . .	1 20

### PLAIN SLATE CIR. TOP

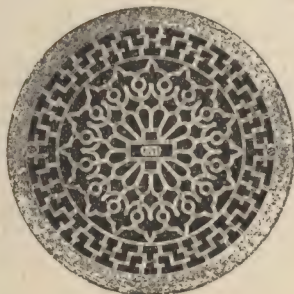
#### WALL BORDERS.

Inches.	Price.
8 x 12 . . . . .	\$0 60
9 x 12 . . . . .	60
10 x 14 . . . . .	68
11 x 13 . . . . .	68
13 x 15 . . . . .	80

Round Ceiling Ventilator.



Register.



## Round Registers, Faces, Borders, Slide-Centre Movement.

In ordering Ventilators specify whether for side wall or ceiling.  
Ventilating Fixtures 50 cents list extra for all sizes up to 14 inches, and \$1.00 extra on all sizes above.

### Round Registers.

SIZE OF OPENING	Japanned Black	Japanned White	Bronzed, Gold, Copper or Bronze Finish	Electro-Plated Nickel	Electro-Plated Brass, Bronze or Copper	White Porcelain Enamel	Brass or Bronze Metal
5 in.	2 20	1 60	2 50	2 50	2 75	3 25	3 50
6 in.	1 80	1 80	2 70	2 70	3 00	3 40	3 60
7 in.	1 85	1 90	2 90	2 90	3 50	4 40	4 60
8 in.	1 60	1 95	3 00	3 00	3 70	5 50	5 80
9 in.	2 00	2 40	3 90	3 90	4 90	6 90	7 20
10 in.	2 35	2 85	4 35	4 35	5 35	8 20	8 50
12 in.	4 00	4 80	6 85	6 85	7 90	11 80	13 75
14 in.	7 90	9 45	11 00	11 00	14 30	16 20	19 00
16 in.	11 00	12 20	15 00	15 00	19 75	21 20	25 15
18 in.	18 50	20 85	23 75	23 75	26 00	26 60	33 65
20 in.	19 75	21 75	24 75	24 75	32 40	32 50	43 90
24 in.	30 00	33 00	40 00	40 00	49 00	49 00	66 35
28 in.	44 00	48 40	57 50	57 50	72 00	72 00	93 15
30 in.	49 00	53 90	65 00	65 00	85 00	85 00	111 35
36 in.	80 00	88 00	105 00	105 00	127 00	127 00	156 00

### Round Faces only.

SIZE OF OPENING	Japanned Black	Japanned White	Bronzed, Gold, Copper or Bronze Finish	Electro-Plated Nickel	Electro-Plated Brass, Bronze or Copper	White Porcelain Enamel	Brass or Bronze Metal
5 in.	85	1 10	1 90	1 90	2 20	1 95	2 80
6 in.	90	1 20	2 10	2 10	2 40	2 05	2 95
7 in.	1 00	1 30	2 35	2 35	2 90	2 90	4 00
8 in.	1 05	1 40	2 45	2 45	3 15	3 85	5 00
9 in.	1 40	1 80	3 30	3 30	4 90	5 90	8 10
10 in.	1 65	2 15	3 65	3 65	4 65	7 30	8 80
12 in.	2 70	3 50	5 05	5 05	6 60	10 60	11 45
14 in.	4 05	5 60	7 15	7 15	9 60	14 60	18 00
16 in.	5 10	6 20	9 10	9 10	12 80	19 05	21 00
18 in.	7 20	9 05	12 45	12 45	16 50	23 95	28 50
20 in.	8 00	10 00	13 00	13 00	21 20	29 25	36 75
24 in.	12 00	15 00	22 00	22 00	32 50	32 50	56 75
28 in.	19 00	23 40	32 50	32 50	49 00	49 00	80 00
30 in.	21 50	26 40	37 00	37 00	56 00	56 00	97 00
36 in.	35 00	43 00	60 00	60 00	83 00	83 00	135 15

### Round Floor Borders.

SIZE OF OPENING	Japanned Black	Japanned White	Bronzed, Gold, Copper or Bronze Finish	Electro-Plated Nickel	Electro-Plated Brass, Bronze or Copper	White Porcelain Enamel	Brass or Bronze Metal
5 in.	1 10	1 25	2 25	2 25	2 85	2 50	5 00
6 in.	1 15	1 35	2 35	2 35	2 95	3 05	5 25
7 in.	1 30	1 50	2 85	2 85	3 85	4 30	6 75
8 in.	1 70	1 50	2 65	2 60	3 65	4 95	5 95
9 in.	1 60	1 80	3 50	3 50	4 75	5 20	10 10
10 in.	1 70	2 15	3 70	3 70	5 20	7 40	11 80
12 in.	2 70	3 50	5 05	5 05	7 10	10 60	14 15
14 in.	4 05	5 60	7 15	7 15	10 00	14 60	17 80
16 in.	5 10	6 20	9 10	9 10	12 80	19 05	21 00
18 in.	7 20	9 05	12 45	12 45	15 00	23 95	24 75
20 in.	8 00	10 00	13 00	13 00	18 10	28 25	29 00
24 in.	12 00	15 00	22 00	22 00	26 00	32 50	37 30
28 in.	19 00	23 40	31 00	31 00	36 40	49 00	62 00
30 in.	21 50	26 40	34 00	34 00	41 00	56 00	74 00
36 in.	35 00	43 00	54 50	54 50	66 00	82 00	110 00

## Convex Square.

SIZE OF OPENING	Japanned		Bronzed, Gold, Copper or Bronze Finish	Electro-Plated		White Porcelain Enamel	Solid Brass or Bronze Metal
	Black	White		Nickel	Brass, Bronze or Copper		
4 x 8	2 00	2 40	2 70	2 70	3 30	4 30	4 40
6 x 8	2 20	2 60	3 45	3 45	4 20	5 70	5 80
6 x 10	2 30	2 95	3 70	3 70	4 45	6 65	6 95
6 x 12	2 65	3 20	4 30	4 30	5 55	8 15	8 30
7 x 10	2 35	2 85	3 85	3 85	5 00	7 30	8 10
8 x 8	2 35	2 85	3 80	3 80	5 00	7 30	8 10
8 x 10	2 40	2 90	3 90	3 90	5 10	7 45	8 20
8 x 12	2 70	3 25	4 45	4 45	5 75	8 15	8 30
8 x 15	4 30	5 40	6 70	6 70	8 40	11 90	12 30
9 x 12	7 25	8 70	10 00	10 00	12 00	13 70	14 45
9 x 15	2 90	3 50	4 80	4 80	6 40	8 40	8 80
9 x 18	3 00	3 60	4 90	4 90	6 60	10 60	11 20
9 x 24	3 90	4 70	6 10	6 10	8 10	12 20	12 90
10 x 10	3 45	4 15	5 45	5 45	7 15	10 00	10 65
10 x 12	3 75	4 50	5 75	5 75	7 60	11 90	12 50
10 x 14	5 00	6 00	7 10	7 10	9 40	14 35	15 20
10 x 16	7 25	8 70	9 60	9 60	12 45	17 00	18 10
12 x 12	7 10	8 85	9 45	9 45	12 50	17 10	18 10
12 x 14	7 40	9 00	9 90	9 90	12 80	18 35	19 50
12 x 15	7 35	9 00	10 00	10 00	13 00	19 30	20 55
12 x 16	8 75	10 50	11 40	11 40	15 00	21 00	22 50
12 x 17	10 00	12 00	13 20	13 20	15 70	21 80	23 40
12 x 18	11 20	13 25	14 50	14 50	16 75	23 20	24 90
12 x 19	12 50	14 50	15 90	15 90	18 25	24 70	26 75
12 x 20	14 50	16 50	18 00	18 00	21 90	27 80	29 80
12 x 24	17 50	20 40	22 00	22 00	27 75	32 40	34 65
14 x 14	14 00	16 00	17 50	17 50	20 00	24 00	25 90
14 x 16	15 00	17 00	18 60	18 60	22 10	26 00	28 20
14 x 18	16 00	18 25	20 00	20 00	24 25	28 65	30 60
14 x 20	17 00	19 25	21 25	21 25	25 25	29 00	31 10
14 x 22	18 00	20 50	22 75	22 75	28 00	32 00	34 25
16 x 16	20 00	22 00	25 00	25 00	31 50	36 60	38 60
16 x 24	26 00	29 00	32 00	32 00	38 50	41 00	44 00
18 x 21	27 00	30 00	33 00	33 00	41 00	44 00	48 00
18 x 24	30 00	33 00	36 00	36 00	44 00	48 00	52 00
20 x 20	28 50	32 50	35 50	35 50	43 00	47 00	51 00
24 x 24	40 00	46 00	50 00	50 00	60 00	70 00	76 00

## Convex Circular Top.

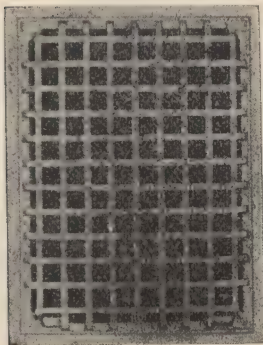
SIZE OF OPENING	Japanned		Bronzed, Gold, Copper or Bronze Finish	Electro Plated		Solid Brass or Bronze Metal
	Black	White		Nickel	Brass Bronze or Copper	
7 x 10	2 50	5 00	4 20	4 20	5 50	9 80
8 x 12	2 95	5 50	4 65	4 65	6 00	10 20
9 x 12	3 30	6 00	5 80	5 20	7 00	11 20
10 x 14	5 50	6 50	7 00	7 60	10 00	15 20

Convex—Square.



Standard.

Convex—Square.



Plain Lattice.

## Circular Top Registers.

SIZE OF OPENING	Japaned		Bronzed Gold, Copper or Bronze Finish	Electro-Plated		White Porce- lain Emam- eled
	Black	White		Nickel	Brass, Bronze or Copper	
9 x 10	1 00	2 80	3 80	3 30	4 00	4 50
9 x 12	2 35	2 80	4 00	4 00	4 75	5 75
9 x 14	3 80	4 20	5 50	5 50	6 80	8 00
9 x 16	2 65	3 15	4 75	4 75	5 75	7 50
10 x 14	4 10	4 90	6 00	6 00	7 25	9 00
11 x 16	6 35	7 60	9 00	9 00	11 50	14 00
12 x 18	8 00	9 40	10 50	10 50	14 00	16 75
14 x 24	14 00	20 50	20 50	20 50	30 00	32 50
16 x 24	6 00	7 00	8 50	8 50	10 50	13 00
18 x 24	8 50	10 20	12 00	12 00	13 50	15 00
20 x 24	14 50	16 70	16 75	16 75	24 00	25 00



Standard.



# Square Ventilators—Standard Pattern.



Indicator Handles



## Round Ventilating Plates.

SIZE OF OPENING	Japanned Black	Japanned White
3" In.....	each, 0 20.....	each, 0 25.....
3 1/4" .....	" " 25.....	" " 30.....
4" .....	" " 30.....	" " 35.....
4 1/4" .....	" " 35.....	" " 40.....
5" .....	" " 50.....	" " 60.....
5 1/4" .....	" " 60.....	" " 70.....
6" .....	" " 70.....	" " 80.....



SIZE OF OPENING	Gold Bronzed	Electro-Plated	
		Nickel	Copper, Bronze or Brass
3" In.....	each, 0 30.....	each, 0 40.....	each, 0 45.....
3 1/4" .....	" " 33.....	" " 50.....	" " 60.....
4" .....	" " 40.....	" " 60.....	" " 70.....
4 1/4" .....	" " 50.....	" " 75.....	" " 85.....
5" .....	" " 70.....	" " 90.....	" " 1 10.....
5 1/4" .....	" " 80.....	" " 1 10.....	" " 1 25.....
6" .....	" " 90.....	" " 1 25.....	" " 1 50.....

## Morning-Glory Coal Hods.



New Style.

No. 45.	15 inches, galvanized, per dozen	\$10 00
No. 46.	16 " " " "	11 00
No. 47.	17 " " " "	12 00
No. 48.	18 " " " "	13 50
No. 45.	15 " japanned, " "	7 00
No. 46.	16 " " " " "	7 50
No. 47.	17 " " " " "	8 00
No. 48.	18 " " " " "	9 00

Discount.....per cent.

## Patent Pressed Corrugated Bottom.



Square Mouth.

No. 4.	14 inches, galvanized, per dozen	\$ 7 00
No. 5.	15 " " " "	7 50
No. 6.	16 " " " "	8 00
No. 7.	17 " " " "	8 50
No. 8.	18 " " " "	10 00
No. 9.	19 " " " "	11 50
No. 14.	14 " japanned " "	5 00
No. 15.	15 " " " " "	5 50
No. 16.	16 " " " " "	6 00
No. 17.	17 " " " " "	6 50
No. 18.	18 " " " " "	7 00
No. 19.	19 " " " " "	8 50

Discount.....per cent.



## Galvanized Water Buckets.

Small, 2 gallons, per dozen	\$ 6 50
Medium, 3 gallons, per dozen	7 00
Large, 4 gallons, per dozen	9 00
Medium, with lips, per dozen	9 00
Large, with lips, per dozen	11 00

Discount.....per cent.



## Galvanized Chamber Pails.

No.	Per dozen	Plain	Japanned
No. 1.		\$ 2 75	\$ 3 75
No. 2.		9 50	10 50
No. 3.		11 00	12 00

Discount.....per cent.

2818



946



High 12 in 2.25 Cr



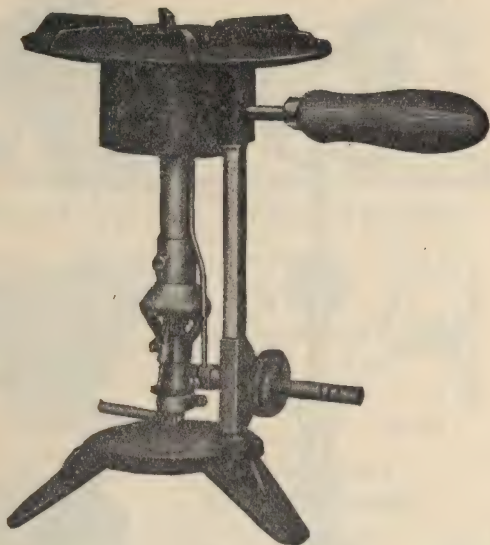
Height, 6 feet. \$35.00

2817



Height, 5 feet.  
Base 16 inches  
\$17.50.

We make all kinds of Finials  
to order from your own designs—  
See stock designs on Pages 54 to 73



No. 2

## Adjustable Bunsen

Height  $9\frac{1}{2}$  in Base 6 in.

Weight 5 lbs.

A powerful blow torch indispensable for general shop use.  $2,200^{\circ}$  hot blast at a touch. Gas consumption 10 ft. per hour.

**Price \$5.00**

## THE REASONS WHY.

The theory underlying perfect combustion is that one volume of gas to so many volumes of oxygen dependent upon pressure and quality of gas will produce complete combustion. In actual practice one meets varying conditions of pressure and quality of gas, hence the necessity of a Bunsen with an adjustable orifice. The most common device is the needle valve, but to adjust this the point must enter the orifice, thus decreasing the velocity of the jet and also changing its shape, and alignment, which we have proven is directly opposed to correct principles.

The Johnson direct Jet Regulator obtains and maintains the highest possible velocity at the nozzle, directing the jet in correct alignment with the Bunsen, and is instantly adjustable to any given quality or pressure of gas, without departing from the direct jet principle. We cannot improve the quality of gas or dispense with main pressure, but we do produce 100% efficiency from any gas and pressure, giving such perfect combustion that we show results not heretofore obtained, both in economy and efficiency.

The Johnson Direct Jet Bunsens give instantly a hot blast ranging from 1,900° to 2,250°, dependent on quality of gas and pressure, 2½" pressure being sufficient. Gas cocks should have not less than ¼" opening to get proper pressure. Johnson appliances are covered by United States and foreign patents.



No. 4



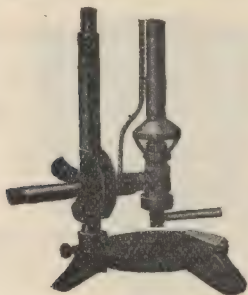
No. 5



No. 6

- No. 4. Johnson Students' Bunsen, with Pilot Light.  
Height,  $6\frac{1}{4}$  in. Base, 7 in.  
Gas Consumption, 5 ft. per hour. \$2.00
- No. 5. Johnson Standard Bunsen—with Pilot Light  
and shut off valve.  
Length, 7 in.  
Threaded to connect on  $\frac{1}{8}$  in. iron pipe.  
Consumption, 10 ft. per hour. ..\$3.00
- No. 6. Bunsen as on No. 3. Handy with Pilot  
Light and shut off valve.  
Length, 5 in.  
Gas Consumption, 5 ft. per hour.  
Threaded for  $\frac{1}{8}$  in. iron pipe. \$2.50
- No. 7. Bunsen as No. 5, without valve or Pilot.  
Fitted for  $\frac{1}{4}$  in. pipe size. ..\$2.00  
We have cores fitted to use from 3 to 30 Bunsens.



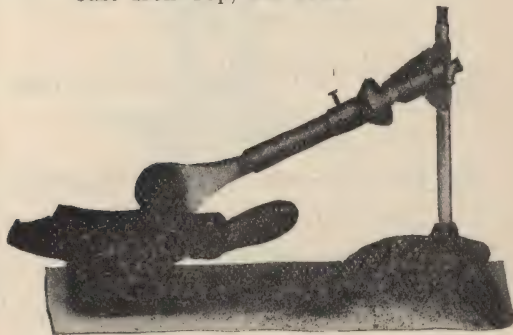


**Handy  
Bunsen  
No. 3**

Height 7 in.  
Consumes 5 ft.  
Gas per hour.

**Price \$4.00.**

Cast Iron Top, 50c extra.



Bunsens Nos. 2, 3 and 8 are adjustable up, down or at angle. Removed from stand and attached to rubber tube, can be used as hand torch. Cut shows Cast Iron top removed to hold object for torch.

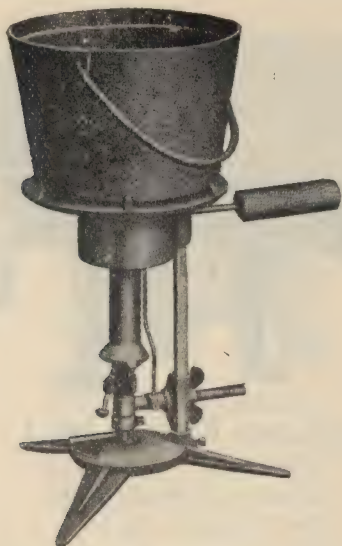
No. 8 is designed for Plumbers and others as a substitute for the slow and troublesome gasoline torch. Nothing to wear out and 2,000° hot blast at a touch.

A 20 lb. ladle of solder can be brought to working heat in less than 10 minutes at cost of less than 1/2 cent using \$1 Gas.

No. 8 will melt Solder, Babbitt, Lead, Zinc or Tin.

No. 8 will do light brazing, tempering, case-hardening, tool dressing, light forging, etc.

No. 8 is indispensable for Plumbers, Tin, Lock and Gun Smiths, Machinists, Pattern Makers, Electrotypers, Metal Workers, Dentists and others.



**No. 8**  
**Adjustable Torch**

With Removable  
Iron Top and Shield.

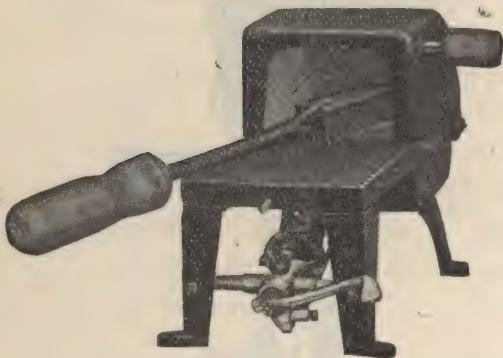
Height 14 in. Base 10 in.

Weight 9½ lbs.

Holds Melting Pots up to 6 in. O. D.

Gas Consumption, 20 to 25 ft. per hour.

**Price \$6.00**



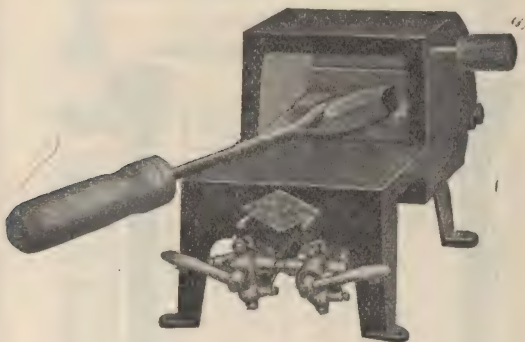
## Johnson Furnace No. 1

Length 12 in., Weight 12 lbs.

Fire Pot opening  $3\frac{1}{2} \times 2\frac{1}{2}$ .

A powerful hot blast without the need of a blower. Consumes 10 feet of gas per hour. Thousands now in daily use; approximately 2000° of heat instantly.

Price \$7.50



## No. 101 Furnace

Length 14 in.; Weight 18 lbs.

Opening  $4\frac{1}{2} \times 2\frac{3}{4}$  in.

Most powerful atmospheric Gas Furnace yet produced. Fire pot super-heated with two Bunsens which can be used independently. Heats the irons, not the workman. Consumes 10 to 20 feet of gas per hour.

Price \$10.00

# Galvanized Wrought Iron

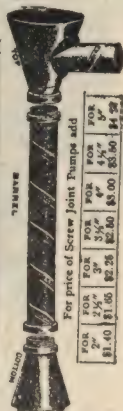
## SPIRAL

### Hand Suction or Bilge Pumps



Soldered Joints

Inside Diameter	Price per Lineal Foot Soldered Joints
*1 1/2 inches	\$0.55
2 "	0.60
2 1/2 "	0.65
3 "	0.70
3 1/2 "	0.75
4 "	0.80
*4 1/2 "	0.90
5 "	1.20



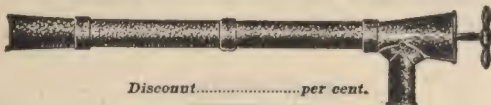
Screw Joints for Sectional Pumps

For price of Screw Joint Pumps add			
FOR	FOR	FOR	FOR
2"	2 1/2"	3"	3 1/2"
\$1.40	\$1.65	\$2.25	\$2.50
			\$3.00
			\$3.50
			\$4.00
			\$4.50

Pumps shorter in length than five feet, charged as five feet.

Our Pumps combine great strength as compared with the ordinary hand-made article, and as the entire suction tube is constructed of but one piece of tube, without joints, its superiority over all other pumps is apparent.

## GALVANIZED BOAT PUMPS



Discount.....per cent.

## BOAT PUMP HANDLES



Sizes—6, 7, 8, 9, 10, 11, 12, 13, 14 and 15 feet long.

Lowest Market Prices.





## FLAT AND ROUND HEAD STOVE BOLTS

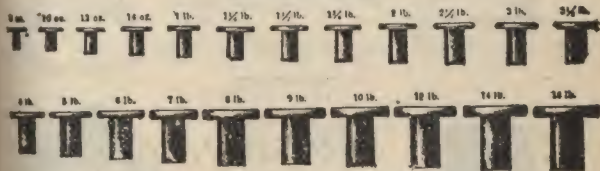
List Price per Hundred.



Length	5-32 3-16	1-4	Length	5-32 3-16	1-4
3/8 in.	\$ .85	\$1.20	2 1/4 in.	\$1.25	\$1.70
1/2 "	.85	1.20	2 1/2 "	1.30	1.80
5/8 "	.85	1.20	2 3/4 "	1.40	1.90
3/4 "	.85	1.20	3 "	1.50	2.00
7/8 "	.90	1.25	3 1/4 "	1.60	2.10
1 "	.90	1.30	3 1/2 "	1.70	2.20
1 1/8 "	.95	1.35	3 3/4 "	1.80	2.30
1 1/4 "	1.00	1.40	4 "	1.90	2.40
1 3/8 "	1.05	1.45	4 1/4 "	2.00	2.50
1 1/2 "	1.10	1.50	4 1/2 "	2.10	2.60
1 3/4 "	1.15	1.55	4 3/4 "	2.20	2.70
2 "	1.20	1.60			

## Flat-Head Iron Rivets.

Best Norway Iron.



Per 1000.

Size, oz.	8	10	12	14	1 lb.	1 1/4	1 1/2	1 3/4	2	2 1/2
Black....	\$ 22	\$ 24	\$ 26	\$ 28	\$ 29	\$ 32	\$ 37	\$ 41	\$ 44	\$ 56
Tinned	31	35	39	43	47	54	64	72	79	1.00
Size, lb.	3	3 1/2	4	5	6	7	8	9	10	12
Black....	\$ 62	\$ 72	\$ 79	\$1.00	\$1.12	\$1.31	\$1.50	\$1.68	\$1.77	\$2.06
Tinned	1.15	1.34	1.49	1.88	2.17	2.54	2.90	3.26	3.52	4.16



Bright  
Annealed  
Coppered  
Tinned  
Galvanized

Wire

In Bundles of 63  
Pounds Each.

Bright, Annealed and Coppered.

Nos.....	0—9	10—11	12	13—14	15—16	
Per pound.....	10	11	11½	12½	14	
Nos.....	17	18	19	20	21	22
Per pound..	15	16	19	20	21	23

Discount	Bright and Annealed.....					
	Coppered .....					

Galvanized Wire.

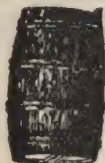
Nos.....	0—9	10—11	12	13—14	15—16	17	18
Per pound..	10	11	11½	12½	14	15	16

Discount.....

Tinned Wire.

Nos.....	0—9	10—11	12—13—14	15—16	17	18
Per pound.	15	16	17	17½	18	18½

Discount.....



∴Rosin∴  
and  
Charcoal.



Price according to quantity.

Price, per bag, \$



## Berger's Star Bucket Ears.

Patented.

Price, per Gross.

Nos.....	1	2	3	4	5	6	7
Tinned...\$	45	\$ 60	\$ 75	\$1 00	\$1 30	\$1.60	\$2.25

In Gross Boxes.



## Star Milk Pan Ears.

Beveled for Flaring Pans.

Patented.

Price, per Gross.

Nos.....	1	2	3	4	5	6
Tinned.....\$	45	\$ 60	\$ 75	\$1 00	\$1 20	\$1 40

In Gross Boxes.



## Butter Kettle Ears.

Patented.

Price, per Gross. .

Nos.....	1	2
Tinned.....	\$ 50	\$ 70
In Gross Boxes.		



## Guard Milk Can Handles.

Per Doz.	<del>Gross</del>
----------	------------------

3½ inch, tinned.....	\$1.28	\$14.00
4 " " .....	1.65	18.00



## Ash Can Handles.

Per Doz	Gross
---------	-------

3½ inch, tinned .....	\$ .87	\$ 9.50
4 " " .....	1.08	11.75



## Fancy Toilet Handles.

**Pet Dog.** **Green.**

3 inch, Tinned.....



## Lard-Can Drop Handles.

	Per Doz.	Gross.
3. inch, Tinned.....	\$ .55	\$6.00
3½ " " .....	.60	6.60
4 " " .....	.80	8.85



## Milk-Can Handles.



	Per Doz.	Gross.
3½ inch, Tinned.....	\$1.30	\$14.10
4 " " .....	1.68	18.20

Also with Round Top Clips.



## Grooved Boiler Handles.

	Per Doz.	Gross.
3. inch, Tinned.....	\$ .48	\$5.25
3½ " " .....	.62	6.75

Per pound.....

Grey Iron, Coppered, 5 cts. per pound.



## Galvanized and Black Hoop Iron.

All Sizes.

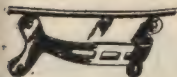
¼ ⅜ ½ ¾ 1. 1¼ 1½ 1¾ inch



## McGuire's Star Thimble.

5 inch, 6 to 12 inch extension, per dozen.....	\$11 00
6 inch, 6 to 12 inch extension, per dozen.....	12 00
7 inch, 6 to 12 inch extension, per dozen.....	14 00
8 inch, 6 to 12 inch extension, per dozen.....	16 00

Discount.....per cent



## Fancy Boiler Handle.

4 inch.....

Per Doz.  
\$ .72Gross  
\$7.90

## Royal Boiler Handles.

Per Dozen, Net..... \$ 43



## Milk Can Drop Handles.

3 1/2 inch, Tinned.....	Per Doz. \$1.15	Gross. \$12.50
Square Top Clips, same price.		

## Fancy Saucepan Handles.



Price, per Gross.

Inches.....	5	6	7
Japanned.....	\$1 70	\$2 20	\$2 70
Tinned.....	2 30	3 00	3 50

## Plain Saucepan Handles.



Price, per Gross.

Inches.....	4	5	6	7
Japanned.....	\$1 10	\$1 40	\$1 70	\$2 00
Tinned.....	1 40	1 90	2 30	2 70

## Tinners' Rings with Clips

Per Gross.

No.....	1	2	3	4	5	6
Coppered.....	\$ .07	.08	.10	.11 1/2	.13 1/2	.18
Tinned.....	\$ .08	.09	.11	.13 1/2	.15 1/2	.21



No. 2. 1/2 in.



## Flat Lid Handles

3 in., per doz. inned. \$.72 Gross \$ 7.65  
4 " " " " 1.56 " 17.00

## Oval Milk Can Lid Handles

4 inch, ornamented, per dozen tinned  
\$1.30. Gross \$13.80



## Fluted Milk Can Lid Handles

3 1/2 in., per doz., tinned \$1.15 Gross \$12.25  
4 " " " " 1.50 " 16.00



## Bread-Pan Handles

	dozen	gross
3 inch, tinned.....	\$.26	\$2.85
3 1/2 " " .....	.50	5.40



## Dish-Pan Handles

	dozen	gross
2 inch, tinned .....	\$.21	\$2.25
3 " " .....	.26	2.85



## Old Style Dish-Pan Handles

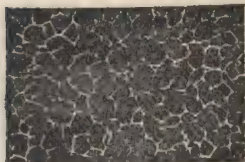
3 1/2 in. tinned, per doz .... \$ .55 Gross \$6.00



## Plain Lid Handles

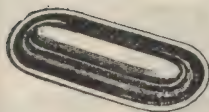
	dozen	gross
4 inch, tinned .....	\$.50	\$5.50





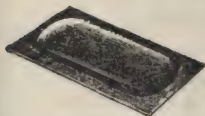
## Metallic Bottoms.

Size.		for No. 7 Boiler.
11 x 21.....	"	8
12 x 24.....	"	9
13 x 26.....	"	9
Price, per pound, \$.....		



## Oval Rimmed Boiler Covers.

Nos.....	7	8	9
Ins.....	10x19 1/4	11 1/4 x 21 1/4	12 1/4 x 23 3/8
Per Doz. \$1 00	\$1 10	\$1 20	



## Flat Edge Boiler Covers.

Sizes....	6	7	8	9
Nos.....	06	07	08	09
Ins.....	9 1/4 x 18 1/4	10 1/4 x 20 1/4	12 1/4 x 22 1/4	13 1/4 x 24 1/4
Per. Doz. \$ 60	\$ 75	\$ 90	\$1 00	



## Wash Boilers.

That are Made Good and  
Strong in Every Way.

Numbers.....	7	8	9
L. C. with Metallic Buttons, per dozen	\$6 10	\$6 50	\$7 20
L. C. " Copper " "	8 15	9 25	10 35
L. X: " Metallic " "	7 45	7 87	9 00
L. X. " Copper " "	9 50	11 00	12 00

**L. D. BERGER, PHILADELPHIA, PA.**

## Plastering Wire.



Sizes—12, 14, 16, 18, 20 ins.

Price, per foot.....\$

### Sheet Zinc.



Sizes—24, 26, 28, 30, 36, 40, 48, 52 in.

Price, per pound.....\$



## Sheet Metal Lath.

## Railroad Milk Cans. Philadelphia Pattern.



### Cans Made Up.

20	quart,	dry	measure,	each,	net.....	\$1 90
30	"	"	"	"	".....	2 20
40	"	"	"	"	".....	2 50

### Stock for Philadelphia Cans.

20 quart, dry measure, per set, net.....	\$1 50
30 " " " " " "	1 80
40 " " " " " "	2 00

A set of Philadelphia Milk Can Stock consists of all the parts for making a complete Can, except rivets and solder.

## Bar Solder.

Strictly half and half. Lowest Market Prices.



## RADIUM STOVE & IRON ENAMEL

HAS NO EQUAL

A Superior JET BLACK ENAMEL for all  
METAL or WOOD SURFACES

Especially for use on  
GAS STOVES, GRATES, RANGES,  
STOVE PIPE, IRON FENCES, &c., &c.

Will Keep Iron From Rusting.

Price, \$1.50 per Dozen



## Black Jack Paste.



Packed 3  
dozen cans in  
a case. Price,  
75 cents per  
dozen, net.

3 pound cans, net. \$ 40  
10



## Asbestos Paper.

For Wrapping Heater Pipes.

36 inches wide.

Small Lots, per pound, net.



## Zinc Roses or Sprinkle Heads.

No. 0.	Per Dozen,	2 1/2 inch.....	\$ 45
No 1.	"	3 ".....	50
No. 2.	"	3 1/2 ".....	60
No 3.	"	4 ".....	70
No 4.	"	4 1/2 ".....	80

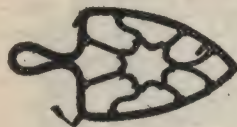


## Zinc Balls.



## Oven Turnbuckles.

Tinned, per gross.....\$1 40



## Sad-Iron Stands.

Per Doz.

No. 2, coppered.....\$ 25

Put up in 1/4 gross packages.

These stands have four feet, and are not liable to upset.



## Royal Stove-Pipe Collars.

Patented July 10, 1887, and April 9, 1890.

Size.....	4	4 1/4	5	5 1/4	6	7	8
Measure } Outside	7 1/4	7 1/2	8 1/4	8 1/2	9 1/4	10 1/4	11 1/4
Price, per dozen.	\$ .25	.28	.30	.35	.40	.60	.80



## Dripping Pan Handles.

PER GROSS.

Coppered	
With Clips.	Without Clips.
100	100
98	98
96	96
94	94
92	92
90	90
88	88
86	86
84	84
82	82
80	80
78	78
76	76
74	74
72	72
70	70
68	68
66	66
64	64
62	62
60	60
58	58
56	56
54	54
52	52
50	50
48	48
46	46
44	44
42	42
40	40
38	38
36	36
34	34
32	32
30	30
28	28
26	26
24	24
22	22
20	20
18	18
16	16
14	14
12	12
10	10
8	8
6	6
4	4
2	2
0	0

	Chgs.	Cnfrs.
No. 7, $1\frac{1}{2} \times 2\frac{1}{2}$	50	25
No. 8, $1\frac{1}{2} \times 2\frac{1}{2}$	60	30
No. 9, $1\frac{3}{4} \times 3$	65	35
No. 10, $1\frac{3}{4} \times 3\frac{1}{2}$	70	40
No. 11, $1\frac{3}{4} \times 4$	75	45
	Tinned.	
No. 7, $1\frac{1}{2} \times 2\frac{1}{2}$	\$ 60	\$ 37
No. 8, $1\frac{1}{2} \times 2\frac{1}{2}$	70	42
No. 9, $1\frac{3}{4} \times 3$	75	46
No. 10, $1\frac{3}{4} \times 3\frac{1}{2}$	85	50
No. 11, $1\frac{3}{4} \times 4$	90	54

### Enameled Tea-Pot Knobs.



No. 3-26.



No. 25



Nos. 51-53.



No. 28.

Any size or style 60 cents per gross, net.



### Porcelain Knobs.

$\frac{3}{4}$ inch, per gross,	\$	70
do do do .....		80



## Enameled Pail Woods.

Inches.....	3	3½	4
Per gross.....	\$ 70	70	1 00



### Brass Strainer Cloth.

Full Roll, 5 square feet.....	\$ 90
Small quantities, per foot.....	20



## AIR TIGHT SHEET IRON WOOD STOVES

21 inch	.	\$1.75
25 inch	.	2.25

---



## Galvanized Ash Cans

14 x 19 inches	.	.	.	\$1.75
15 x 26 "	.	.	.	2.00
18 x 26 "	.	.	.	2.50
20 x 26 "	.	.	.	2.75

---



## Galvanized Waste Cans

with spring lids  
also feet.

No. 1	.	11½ x 15 inches	.	\$1.50
No. 2	.	12 x 18 "	.	1.75
No. 3	.	14 x 22 "	.	2.25



## "2000 COVERALL BLACK"

The highest development of protective coating for iron and steel. Far superior to graphite, red lead and oxides in resistance to heat, moisture, sulphur fumes, acids, alkalis, brine and smoke.

Contains no graphite, asphaltum, tar, rosin, charcoal, earthy matter, benzine, turpentine nor inferior oils. An absolutely pure product, of the very highest grade.

Two good coats will protect exposed surfaces for ten to fifteen years, if clean when coated. Retains its plasticity longer than any other coating. Will not blister, chip, crack nor scale.

Has greatest covering capacity of any composition on the market. One gallon will thoroughly cover 1300 square feet of new surface, or 800 to 900 feet of old surface.

Nothing so good as "2000 COVERALL BLACK" for priming where colored finishing coat is desired. Samples supplied for exhaustive tests in comparison with all other paints and protective compositions.

NET Prices	
1 gal. can, \$1.40 per gal.	
5 " " " 1.35 " " "	
10 " " " 1.35 " " "	
1/2 gal. 1.25 " " "	
1 " 1.25 " " "	

## Pure Putty.

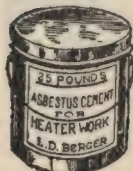
Put up in twenty-five pound cans of selected stock, at 63 cents a can, net.

## Roofing Cement.

1 pound cans, per pound	\$ 10
2 " " " "	08
5 " " " "	06
10 " " " "	06
25 " " " "	06
80 " " " "	04
160 " " " "	04

## Asbestos Cement.

1 pound can, per pound	\$ 10
2 " " " "	08
5 " " " "	06
10 " " " "	06
25 " " " "	05 1/2





## Valves and Plungers.



### Pump Valves.

	Per doz.
2½ inch .....	\$2.00
3 " .....	2 25
3½ " .....	2 75
4 " .....	3 25

Discount.....per cent.



### Double Clapper Valves.

	Per doz.
4 inch .....	\$3 75
4½ " .....	5 00
5 " .....	6 00
5½ " .....	7 00
6 " .....	8 50

Discount.....per cent.



### Oil Valves and Plungers.

	Per doz. pairs.
1 inch .....	\$1 50
1½ " .....	1 50
1¾ " .....	1 75
1½ " .....	2 00
2 " .....	2 25

Discount.....per cent.



### Improved Plungers.

	Per doz.
2½ inch .....	\$1 50
3 " .....	2 00
3½ " .....	2 50
4 " .....	2 75

Discount.....per cent.



### Leather Plungers for Boat Pumps.

	Per doz.
2 inch .....	\$1 30
2½ " .....	1 65
3 " .....	2 00
3½ " .....	2 40
4 " .....	2 80
4½ " .....	3 75
5 " .....	4 50
5½ " .....	5 00
6 " .....	6 75

Discount.....per cent.



Leather Plunger. Improved Plunger.

All Sizes Always in Stock.

In making these, we use the very best materials only, and they are as near perfect as is possible to make them. The rubber used is of the purest and best quality, and the leather is of the best grade.



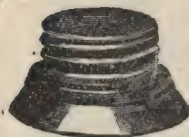
## Zinc Fruit and Milk Can Screws.



Price List.

	Per Gross
Diameter, 2½ inch....	\$9 75
" 3 "	10 00
" 3½ "	11 00
" 4 "	12 06
" 4½ "	18 00
" 5 "	25 00
" 6 "	33 00

## Zinc Can Screws.



	Per Gross
½ inch .....	\$4 00
¾ " .....	4 50
1 " .....	6 00
1¼ " .....	8 00
1½ " .....	12 00
2 " .....	20 00



## Crystal Flue Stoppers.

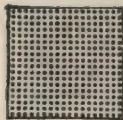
Put up in boxes of one dozen each.

Price, per Dozen,

Diameter, 8½ inches.....\$1 00

## Perforated Tin.

14 x 20



No. 1, per doz.....	\$1 50	Sheets.....	13
No. 2, " .....	1 50	" .....	15
No. 3, " .....	1 50	" .....	15
No. 4, " .....	1 50	" .....	15

## Soldering Fluid.

quart bottles.....45 cents each

## Perfection Extension Ladder.

Patented July, 1896.

### Some Reasons Why This Ladder is "Perfection"

One endless rope operates it.

Rope can be changed to either side.

No rope or fixtures in the way.

Rope can be instantly detached for disconnection of ladders.

No complicated parts to get out of order..

Easy and absolutely sure in operation.

The catch irons have unlimited strength and durability.

Can be used as single ladders when desired.

#### Dimensions :

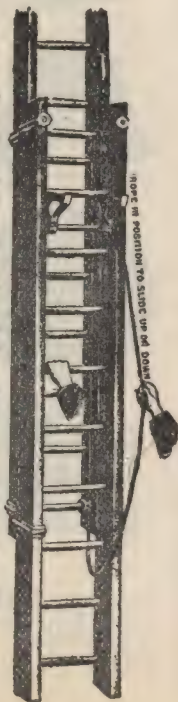
Sides,  $1\frac{1}{4} \times 3\frac{1}{4}$  inches.

Rungs,  $1\frac{1}{4}$  inch; rise, 12 inches.

Extrema width, 18 inches.

Special width to order, 21 inches.

Length, 20, 24, 30, 36 and 40 feet.



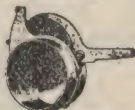


## Danzer's Folding Roof Ladder



Just the thing for Tinnern, Slaters, Painters, Repairmen, Etc. The most convenient ladder ever made for Roofers. A 20-foot ladder folds as shown, to a size  $8\frac{1}{2} \times 14 \times 14$  inches, and weighs  $1\frac{1}{8}$  pounds to the foot. Made of steel with hard wood cross pieces. Can be shortened to any length. Made in any length from 16 feet up in even feet. Price, 25 cents per foot.

## BLAST GATES



The bodies of these Blast Gates are carefully adjusted to a nice sliding fit and provided with slides, which render them practically air tight. The lever pattern, when operated by cord, is convenient for inaccessible locations. Size given is outside diameter of collars where pipe slips on. Prices are the same for both slide and lever patterns.

SIZE	PRICE	SIZE	PRICE	SIZE	PRICE
1 $\frac{1}{2}$ inch	\$ .90	6 inch	\$2.75	15 inch	\$10.00
2 inch	1.00	7 inch	3.10	16 inch	12.00
2 $\frac{1}{2}$ inch	1.10	8 inch	3.50	18 inch	15.00
3 inch	1.20	9 inch	4.00	20 inch	18.00
3 $\frac{1}{2}$ inch	1.35	10 inch	4.50	24 inch	20.00
4 inch	1.50	12 inch	6.00	30 inch	25.00
5 inch	2.00	14 inch	8.00		

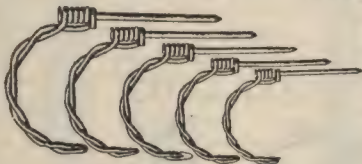
## Acme Cut-Off.



The strongest and best Water Cut-Off ever placed on the market. Can be used for both Corrugated and Plain pipe.

		Per Dozen, Tin.	Gals.
2	inch .....	\$ 5 00	\$ 7 00
2½	" .....	5 00	7 00
3	" .....	6 00	8 00
3½	" .....	8 00	9 50
4	" .....	9 00	11 00
5	" .....	14 00	20 00
6	" .....	20 00	24 00

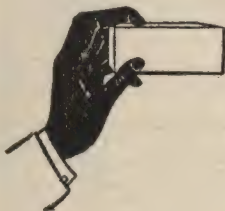
## TWISTED WIRE HOOKS



Size	Price per 100
2 in., . .	\$1.75
2½ " . .	2.00
3 " . .	2.75
4 " . .	4.25
5 " . .	6.00

DISCOUNT

.....per cent.



## SALAMONIAC.

It's just like a cake of soap, and is the best thing you can get for cleaning soldering coppers. It's only

Ten cents a Cake.

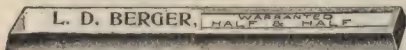
## SOLDER

We handle three grades and take great care that each grade is always up to its proper standard.

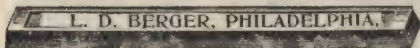
Prices are revised daily to the latest metal quotations.



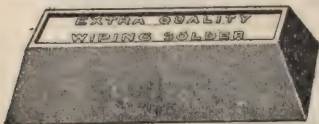
This grade is a regular **Commercial Half and Half** and will answer all ordinary requirements.



**L. D. B. WARRANTED Half and Half** and a very popular brand. Sells on its merits.



**L. D. B. Solder** is our finest brand and is guaranteed better than Half and Half. Will answer all requirements.



## PLUMBERS' EXTRA WIPING IN CAKES

A truly superior solder for plumbers' use. Made entirely of new metals. It is second to none for this class of work.

## BABBITT METALS

## WIRE

Wire Solder in all grades supplied from No. 8 to No. 16 Stubb's gauge inclusive on regular 100 lb. reels. Reels, 25c. extra.

## SOLDERING COPPERS

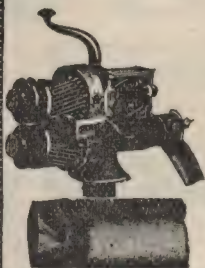


Best Riveted Handles.

Sizes—1, 1½, 2, 3, 4, 5, 6, 8, 10, 12 and 16 pounds per pair.

## Tinner's Square

No. 4 ..... \$1.00 each.



## Packham Crimper and Beader

With stand, net..... \$6.50

No stand, net..... 6.00

Will crimp or swedge separately or together.



Will punch  $\frac{1}{4}$  inch hole in No. 16 Iron, has 1 in. throat, back gauge. Three sets punches and dies  $\frac{1}{4}$  in.,  $\frac{3}{8}$  in.,  $\frac{1}{2}$  in., weight 6 lbs., made of steel. Price \$5.00 Net. Extra punches and dies 30 cts. each.

## Machine-Made Steel Letters and Figures

For Stamping Soft Metals, such as Brass, Lead, Zinc; also for Wood and Leather

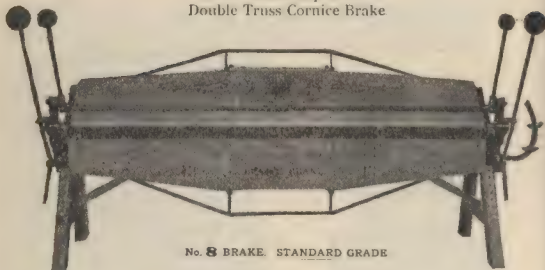


In outline, these Figures and Letters are equal to any made by hand, simply because thousands of them—exact duplicates—are made from one original, or pattern, upon which as much work is put as upon ten ordinary figures or letters. All these figures and letters are made upon the best cast steel, carefully hardened and tempered, but, of course, have not the strength and durability of our Hand-Made Letters and Figures, but for leather, wood, soft metals, etc., will give satisfaction. We can only furnish these letters and figures in sizes given in prices below. Name or business stamps cannot be made by this method.

### PRICE LIST

SIZE	Figures Per set of 9	Letters Per set of 27	SIZE	Figures Per set of 9	Letters Per set of 27
1-32 inch	\$1.25	\$3.75	5-32 inch	\$1.13	\$3.39
1-20 inch	1.13	3.39	3-16 inch	1.25	3.75
1-16 inch	.90	2.70	1-4 inch	1.50	4.50
1-12 inch	.90	2.70	5-16 inch	1.75	5.25
3-32 inch	.90	2.70	3-8 inch	2.50	7.50
1-10 inch	.90	2.70	7-16 inch	3.50	10.50
1-8 inch	.90	2.70	1-2 inch	4.50	13.50

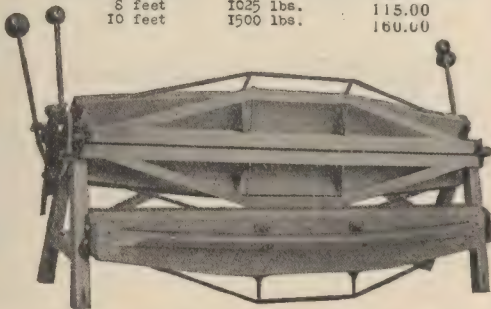
The "Latest Improved"  
Double Truss Cornice Brake



No. 8 BRAKE. STANDARD GRADE

WILL FORM NO. 22 GAUGE FULL LENGTH-

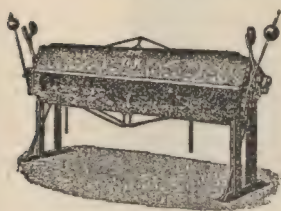
SIZE	SHIPPING WEIGHT	PRICE
3 feet	325 lbs.	\$40.00
4 feet	375 lbs.	50.00
5 feet	700 lbs.	65.00
6 feet	750 lbs.	85.00
8 feet	1025 lbs.	115.00
10 feet	1500 lbs.	160.00



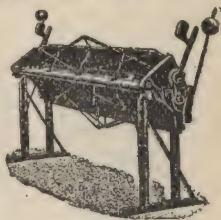
REAR VIEW OF 8-FOOT BRAKE AND REAR VIEW OF FRONT LEAF DETACHED AND PLACED BEHIND MACHINE.



## STEEL CORNICE BRAKES



FRONT VIEW.



REAR VIEW

### The No. 3 Steel Cornice Brake

8 foot 1 inch long on forming edge. Will form  $\frac{3}{4}$  inch edge on 16 gauge. Part of apron edge can be removed to form  $\frac{1}{4}$  inch members on 24 gauge. An angle bar is provided to bolt on apron to form heavy material. Weight 1500 pounds.

PRICE, 5 FORMERS INCLUDED, \$155.00

### The No. 4 Steel Cornice Brake

8 foot 1 inch long on forming edge. Will form  $\frac{1}{4}$  inch edge on 26 gauge,  $\frac{3}{8}$  inch edge on 22 gauge or  $\frac{3}{4}$  inch edge on 18 gauge, full length of sheet. Apron edge  $\frac{1}{2}$  inch, from which  $\frac{1}{4}$  inch may be removed. An angle bar is bolted on apron for forming heavy material. Weight 1000 pounds.

PRICE, 5 FORMERS INCLUDED, \$110.00

### The No. 5 Steel Cornice Brake

4 foot  $\frac{1}{2}$  inch long on forming edge. Will form 1 inch edge on 14 gauge. Suitable for heavy work. Apron edge  $\frac{1}{4}$  inch, with angle bar extension.

PRICE \$75.00

### The No. 6 Steel Cornice Brake

4 foot  $\frac{1}{2}$  inch on forming edge. Will form  $\frac{3}{4}$  inch edge on 16 gauge,  $\frac{1}{2}$  inch member on 24 gauge. Angle bar extension for forming heavy material.

PRICE, 5 FORMERS INCLUDED, \$60.00

**CLAYTON & LAMBERT'S GASOLENE FIRE POTS**

For Tinnern, Galvanized Iron and Copper Workers,  
Plumbers and Electricians

**THE No. 1 FIRE POT**

In the No. 1 we offer the trade the result of our long experience and determination to make the best Fire Pot on earth. It is light, strong and capable of bearing hard usage, and the flame is blue, free from smoke, and intensely hot. It is quick, clean, and will burn ten hours on half a gallon of gasolene, heating the heaviest irons in half of the time required by any other Fire Pot. The flame is so directed as to heat the coppers from heel to point, thus avoiding the common trouble of burning off the tinning. The burner, being outside the hood, does not get clogged or eaten out by drippings. Each burner has clean-out plugs which make it easy to keep in order.

Shipping weight, 14 pounds each.

Price with Galvanized Iron Tank.....\$6.00 Net.

**THE No. 5 FIRE POT**

The No. 5 Fire Pot is simple in construction and made of the very best material. A strong air pressure makes it a perfect blast furnace, producing a clear, blue flame, entirely devoid of smoke or dirt, and having an intensity of heat hardly credible. With it a jobbing pot of metal will be ready in four or five minutes for wiping joints. No wind is heavy enough to extinguish the flames. This Fire Pot is similar to the No. 1 in every way except that it is smaller. Shipping weight, 12 lbs. each.

Price with Galvanized Iron Tank.....\$4.50 Net

**NO. 31 GASOLENE TORCH**

Has no equal where intense heat is desired especially for work in the wind. It is well made. The tank holds one quart, and is fitted with our best pump. The burner is a powerful generator, producing a strong blast heat, consuming little gasolene.

We have carefully tested this torch, and are ready to say to any purchaser that it will be sure to please. Try one.

Net price each, polished brass.....\$3.75

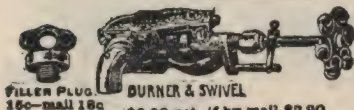
## CLAYTON & LAMBERT'S GASOLENE FIRE POTS



The No. 10 Coil Fire Pot is well and favorably known. The generator is powerful, producing a large volume of pure blue flame that is intensely hot, consuming less gasolene than other makes.

The tank is made of heavy galvanized iron, fitted with a galvanized cast iron bottom ring. All small or light castings are malleable iron or brass. The coil is made of extra heavy pipe and the burner of steel. The valves are fitted with needle points which give the user better control of the fire and are always tight. Shipping weight, 13 lbs. each.

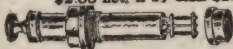
Price.....\$3.75 net.



FILLER PLUG.  
16c-mall 18c

BURNER & SWIVEL

\$2.00 net, if by mail \$2.20



PUMP FOR FIRE POT  
50c, if by mail 60c

PUMP COLLAR.  
10c if by mail 12c



AIR VALVE.  
25c, by mail 30c



FILLER  
25c, by mail 30c



SWIVEL.

25c, by mail 30c.

### REPAIRS

FOR  
CLAYTON &  
LAMBERT'S  
GASOLENE  
FIRE POTS

You can easily make your old Fire Pots as good as new. Prices named are net.



### SHEET-IRON FIRE POTS

Well made of No. 26 galvanized iron.  
Height over all 12 1/4 inches.  
Diameter of body 7 inches.  
Double bottom in same.

Each ..... \$1.50



Smokeless!  
Noiseless!  
Odorless!

## NO. 3 GEM GASOLENE FIRE POTS

	Price, Each
Gem, Galvanized Iron Reservoir .....	\$7.00
Gem, Brass Reservoir .....	8.00
Gem, Copper Reservoir .....	8.50

NEW BURNER, IMPROVED

GENERATOR AND DRIP

CUP AND ARCHED BOTTOM

IN RESERVOIR.

Weight, 15 lbs.

Crated, 22 lbs.

## Plumbers' Malleable Iron Ladle

Double Lipped.



	List Price per Dozen
Diameter of bowl, 3 inches.....	\$2.00
Diameter of bowl, 4 inches.....	3.25
Diameter of bowl, 5 inches.....	5.60
Diameter of bowl, 6 inches.....	7.25
<i>Discount</i> .....	<i>per cent.</i>



## Plumbers' Melting Pot

5 inch, each.....	\$0.60
6 inch, each .....	.95

*Discount*.....*per cent.*

# Compound Lever and Pinion Gap Shear,



Price

\* 40 00

## SHEET IRON FOLDING MACHINES.



### Wright's Patent Sheet Iron Folders.

WILL TURN LOCKS  $\frac{1}{8}$  AND  $\frac{1}{4}$  INCH.

Nos. 00 and 0 may be used on material as thick as No. 22 gauge, and No. 1 on material as thick as No. 24

No. 00.	Wright's Patent Sheet Iron Folder, 62 inches.	Weights 140 lbs.	\$30 00
No. 0.	Wright's Patent Sheet Iron Folder, 42 inches.	Weights 100 lbs.	20 00
No. 1.	Wright's Patent Sheet Iron Folder, 30 inches.	Weights 75 lbs.	12 00

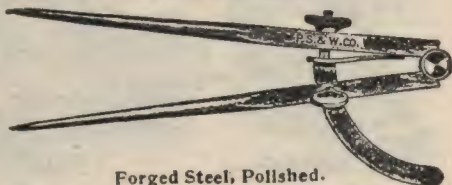
## FORGED STEEL PLIERS.



No. 20. Forged Steel, Box Joint, Flat or Round Nose.

Inches.....	4½	5	6	7	8
Per dozen.....	\$4 50	5 00	6 00	8 50	12 50

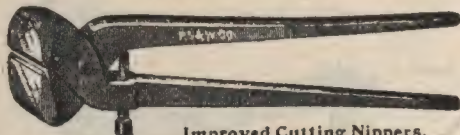
## WING DIVIDERS.



Forged Steel, Polished.

Inches.....	6	7	8	9	10	12	15	18	24
Per dozen.....	\$5 50	6 50	7 50	9 00	10 00	12 00	18 00	25 00	36 00

## CUTTING NIPPERS.



Improved Cutting Nippers.

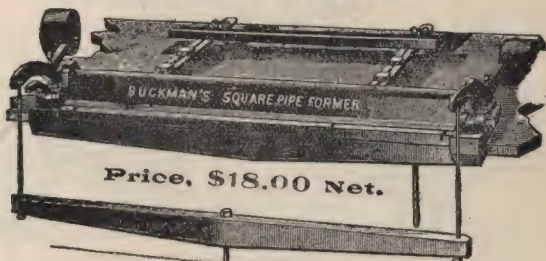
The jaws of these Nippers are made from best Cast Steel and each Nipper is tested by cutting steel wire before leaving the factory. After withstanding such a test they are considered perfect and are not warranted against breakage. The long handles give so great a leverage that they are liable to abuse by twisting and prying, and if any such breakage occurs it will be assumed it happens from unfair usage.

No. 0.	Very large and strong, 2 inch jaws, 14 inches long, each	\$3 75
No. 1.	Extra large size, 12 inches long.....	" 2 25
No. 2.	Large size, 11 inches long.....	" 2 00
No. 3.	Common size, 10 inches long.....	" 1 50
No. 4.	Small size, 8 inches long.....	" 1 25
No. 5.	Small size, 7 inches long.....	" 1 00

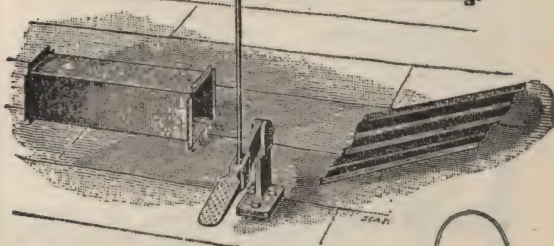


# Square Pipe Former and Cornice Brake.

Will bend iron as heavy as No 24 gauge, 30 inches wide.



Price, \$18.00 Net.



## Parallel Bench Vises.



Fixed Vise.

4 inch  
Length  
of  
jaws.

\$3.75



Galvanized Iron

# RATCHET BIT BRACES.



Style of Nos. 1000 to 1001.

## Ball Bearing Head, Tempered Forged Steel Jaw.

COCOBOLO HEAD AND CENTRE.

We make a large and complete line of Ratchet and Plain Bit Braces, consisting of over fifty sizes and styles. Illustrations and prices of this entire line will be furnished upon application.

The No. 1000 series represented above is one of the most popular Braces on the market, and we unhesitatingly recommend it as high grade in every respect.

No. 1004.	6 inch, Nickel Plated Sweep,	.	.	.	.	.	per dozen, \$37 50
No. 1003.	8 inch, Nickel Plated Sweep,	.	.	.	.	.	per dozen, 39 50
No. 1002	10 inch, Nickel Plated Sweep,	.	.	.	.	.	per dozen, 45 00
No. 1001	12 inch, Nickel Plated Sweep,	.	.	.	.	.	per dozen, 49 00
No. 1000	14 inch, Nickel Plated Sweep,	.	.	.	.	.	per dozen, 54 50



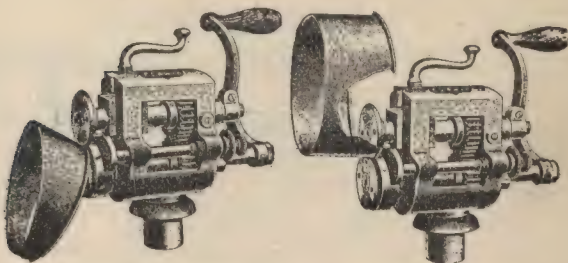
## GEARED BREAST DRILL.

WITH ADJUSTABLE CHUCK AND FORGED STEEL JAW.

These Drills are finely finished and perfect in every part. They have Rosewood Handles and are fitted with our One Piece, Forged Steel Jaws, which hold equally well round and square shank bits.

No. 4.	Nickel Plated, Cut Gear, Extra Finish,	.	.	.	.	each, \$4 50
No. 5.	Enameled, Extra Finish,	.	.	.	.	each, 3 50

## COLUMBIAN ELBOW EDGING MACHINE.



Elbow Edging Machine.

The above cut shows the position of an elbow in turning the edge; also the form of crasse made by the machine to enter the corresponding section in completing the elbow.

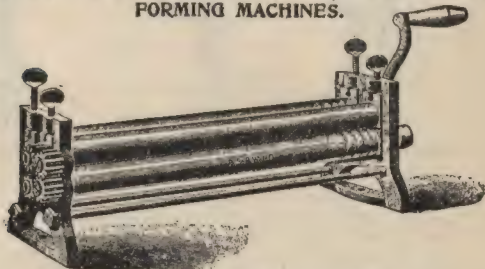
Elbow Edging Machine.

The above cut shows the position of the pipe or elbow in forming the head to receive the crasse section, as shown in the illustration at the left.

In using this machine one-third of the time spent in putting elbows together can be saved by the operator. The rolls or faces are also sold separate from the machine, and can be used with and are readily adapted to either our Columbian or Encased Small Turning Machine.

Columbian Elbow Edging Machine, with Stand ..... \$10 50  
Elbow Edging Rolls or Faces, separate from Machine ..... per set (1 pair), 2 50

## FORMING MACHINES.



Patent Formers, with Compensating Gear.

The above cut represents our Patent Forming Machines, with compensating gear. Gears, to run smoothly, should mesh constantly to a certain depth, and the shape of the teeth must be accommodated to such depth. In our Patent Formers the cogs attached to gripping rolls do not articulate with each other, but into the gears, so bug that as the gripping rolls are moved the mesh of the gearing is unchanged, assuring uniformity of action and durability for the cogs; hence, whatever thickness of metal is used the gears run smoothly, without danger of slipping or breaking. The gears are machine cut.

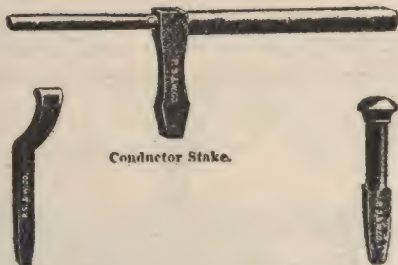
No. 11.	Patent Stove Pipe Former, 1 $\frac{3}{4}$ in. Rolls, 39 in. long.	Weights 100 lbs. . .	\$10 00
No. 12.	Patent Stove Pipe Former, 8 in. Rolls, 30 in. long.	Weights 123 lbs. ....	20 00
No. 13.	Patent Stove Pipe Former, 3 in. Rolls, 27 in. long.	Weights 140 lbs. ....	26 00
No. 21.	Patent Tin Pipe Former, 1 $\frac{1}{4}$ in. Rolls, 16 in. long.	Weights 42 lbs. ....	10 00
No. 22.	Patent Tin Pipe Former, 1 $\frac{3}{4}$ in. Rolls, 20 in. long.	Weights 53 lbs. ....	11 00

## TINNERS' STAKES.

CAST IRON. WITH POLISHED FACES



Mandrel Stake.



Conductor Stake.

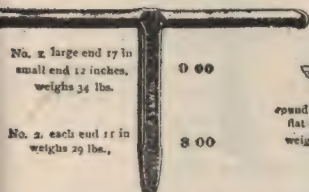
Bath Tub Stake.

Round Head Stake.

No. 0.	Conductor, each end 14 inches, weighs 27 lbs.,	6 00
No. 00.	Mandrel, 5 feet long to the Standard, weighs 128 lbs.,	\$10 00
No. 0.	Mandrel, 3 feet 4 inches long to the Standard, weighs 87 lbs.,	6 00
No. 1.	Mandrel, 2 feet 10 inches long to the Standard, weighs 44 lbs.,	3 00
No. 2.	Mandrel, 2 feet 6 inches long to the Standard, weighs 37 lbs.,	4 00
No. 3.	Mandrel, 2 feet 3 inches long to the Standard, weighs 31 lbs.,	3 00
No. 1.	Conductor, Turned, large end 15 in., small end 11 1/4 in., long, weighs 35 lbs.,	4 00
No. 2.	Conductor, Turned, large end 14 in., small end 10 in., long, weighs 25 lbs.,	3 00
	Round Head, weighs 11 lbs.,	1 25
	Bath Tub, weighs 12 lbs.,	1 25

TINNERS' STAKES.

WROUGHT IRON, WITH STEEL FACES.



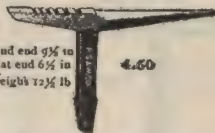
No. 1. large end 17 in  
small end 12 inches,  
weighs 34 lbs.

0 00

No. 2. each end 11 in  
weighs 29 lbs.,

8 00

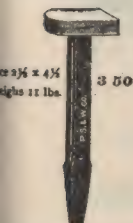
Double Seaming Stake.



round end 9 1/2 in  
flat end 6 1/2 in  
weight 12 1/2 lb

4.50

Creasing Stake, with Horn.



2 1/2 x 4 1/2  
weighs 11 lbs.

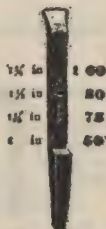
3 50

Coppersmiths' Square Stake.



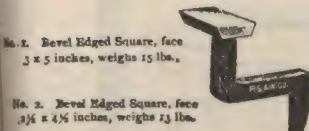
No. 1. 16 in	5 00
No. 2. 14 1/2 in	4 25
No. 3. 13 in	3 50
No. 4. 11 in	2 75
No. 5. 9 in	2 25
No. 6. 7 in	1 75

Hatchet Stake.



1 1/2 in	1 00
1 1/4 in	80
1 1/8 in	75
1 in	50

Bottom Stake.



No. 1. Bevel Edged Square, face  
3 x 5 inches, weighs 15 lbs.,

0 00

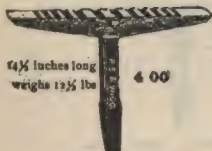
No. 2. Bevel Edged Square, face  
3 1/2 x 4 1/2 inches, weighs 13 lbs.

5 00

Bevel Edge Square Stake.

## TINNERS' STAKES.

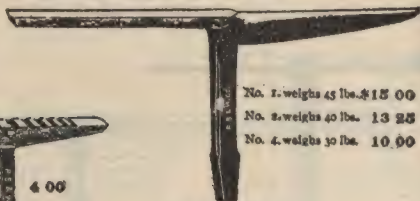
WROUGHT IRON, WITH STEEL FACE



14½ inches long  
weighs 12½ lbs

4 00

Crossing Stake.

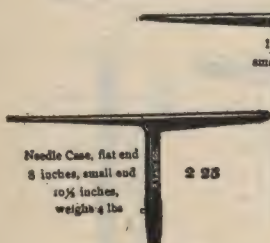


No. 1. weighs 45 lbs. \$15 00

No. 2. weighs 40 lbs. 13 25

No. 4. weighs 30 lbs. 10 00

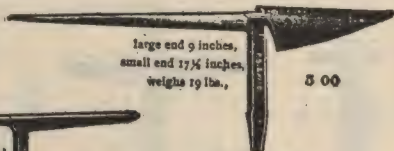
Beakhorn Stake.



Needle Case, flat end  
8 inches, small end  
10½ inches,  
weighs 4 lbs

2 25

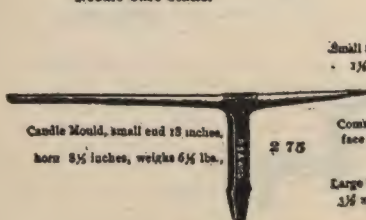
Needle Case Stake.



large end 9 inches,  
small end 17½ inches,  
weighs 19 lbs.,

3 00

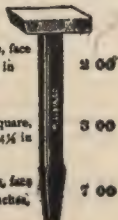
Blowhorn Stake.



Candle Mould, small end 18 inches,  
horn 8½ inches, weighs 6½ lbs.,

2 75

Candle Mould Stake.



Small Square, face  
1½ x 2½ in

2 00

Common Square,  
face 2½ x 4½ in

3 00

Large Square, face  
3½ x 5½ inches,

7 00

Square Stake.



## TINNERS' STAKES.

WROUGHT AND CAST IRON.



Tea Kettle Stake, with Four Steel Heads.



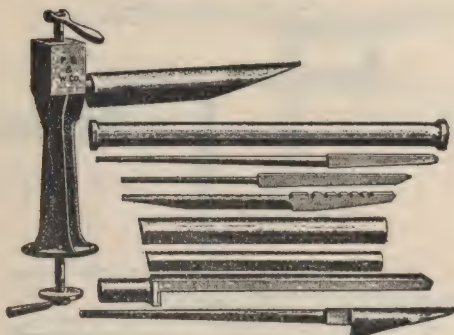
Hollow Mandrel Stake.



Double Seaming Stake, with Four Heads.

Tea Kettle Stake, Wrought, with 4 Steel Heads, weighs 45 lbs.,		\$15 75
Extra Steel Heads, for Tea Kettle Stake,	each	1 75
Double Seaming, with 4 Heads, weighs 85 lbs.,		9 00
Extra Heads for Double Seaming, with 4 Heads,	each,	1 50
Hollow Mandrel, 3 feet 4 inches entire length, weighs 45 lbs.,		5 50
Extra Hollow Mandrel, 4 feet entire length; Round Part, 1 1/4 inches diameter;		
Flat Part, 15 inches wide; weighs 300 pounds,		25 00

## STOW'S STAKE HOLDER.



## Universal Stake Holder and Stakes.

The illustration above represents our improved Stake Holder and the different tools capable of being used with it.

This Holder enables the workman to use the Stakes shown, in any position best suited to the work in hand, without mutilating the bench.

One Stake may be substituted for another with ease.

It is convenient, solid, substantial, and will give satisfaction.

When ordering these Stakes other than in full sets, be careful to mention "for use in Stow's Stake Holder," to avoid confusion with our regular Stakes. The set is made up as follows:

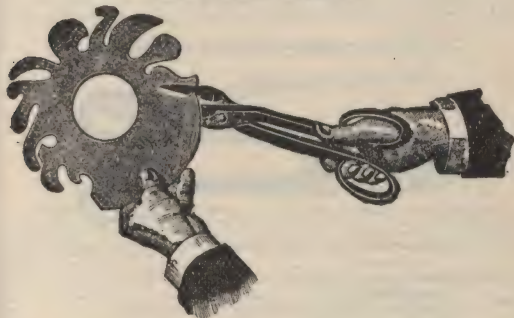
Stake Holder, only.....	\$ 4 50
Beakhorn for Stake Holder, two pieces..	11 00
Blowhorn for Stake Holder.....	3 75
Creaming and Horn for Stake Holder.....	3 50
Double Seaming No. 1 for Stake Holder.....	6 50
Conductor for Stake Holder, two pieces.....	4 00
Candle Mould, for Stake Holder.....	2 25
Needle Case for Stake Holder.....	1 75
Full set as above, complete, with Stake Holder. Weighs 189 lbs.....	\$37 25

## Extra Parts.

Large End for Beakhorn Stake.....	\$6 00
Small End for Beakhorn Stake.....	5 00
Flat End for Conductor Stake.....	2 25
Round End for Conductor Stake.....	1 75
Screw and Bolt for Stake Holder.....	50
Nut for Stake Holder.....	50

**COMBINED SNIP AND PIPE CRIMPER.**

No. 2. Medium, without Crimper.....	2.75
No. 2. Medium, with crimper.....	3.00

**BUFFALO SNIPS.**

No. 17 Cuts, 4 in.....	\$2.50
No 18 Cuts, 3½ in.....	2.00
No. 19 Cuts, 3 in.....	1.50

**T Reamers.**

Price.....60 cts. each.

## BENCH SHEARS.



No. 00.	Bench, cut 12 inches.....	each,	\$13 50
No. 0.	Bench, cut 10½ inches.....	each,	12 00
No. 1.	Bench, cut 9 inches.....	each,	8 00
No. 2.	Bench, cut 8½ inches.....	each,	7 00
No. 3.	Bench, cut 8⅓ inches.....	each,	6 00
No. 4.	Bench, cut 8 inches.....	each,	5 00
No. 5.	Bench, cut 7 inches.....	each,	4 00
No. 6.	Bench, cut 6 inches.....	each,	3 50

## TINNERS' HAND SHEARS OR SNIPS.



No. 06½.	Hand, cut 4½ inches, extra heavy, entire length 18 inches.....	\$4 50
No. 6½.	Hand, cut 4½ inches.....	3 00
No. 7.	Hand, cut 4 inches.....	2 50
No. 8.	Hand, cut 3½ inches.....	2 00
No. 9.	Hand, cut 3 inches.....	1 50
No. 10.	Hand, cut 2½ inches.....	1 40

## CIRCULAR HAND SHEARS—"P. S. &amp; W. CO."



No. 7.	Circular, Hand.....	\$3 50
No. 8.	Circular, Hand.....	3 00
No. 9.	Circular, Hand.....	2 50
No. 10.	Circular, Hand.....	2 35

## THE "LYON" SHEAR



For Cutting Scrolls and Circles.

These Shears are especially adapted to cornice and tin work, and are made so as to easily cut circles, scrolls, etc. They are equally well adapted for the same class of work as the regular snips. The blades are rounding and very sharp pointed and can be used for the most delicate work. They are made of the best material; have forged handles and steel blades and are fully warranted.

- No. 165. Hand, cut 4 inches, entire length 15½ inches. Weighs 3 lbs.....each, \$5 00  
 No. 170. Hand, cut 5½ inches, entire length 14 inches. Weighs 2¼ lbs.....each, 2 50  
 No. 180. Hand, cut 3 inches, entire length 13 inches. Weighs 1½ lbs.....each, 2 00  
 No. 190. Hand, cut 2½ inches, entire length 12¼ inches. Weighs 1¼ lbs.....each, 1 50

## HAWK'S BILL SHEARS.



Improved Pointed Curved Hand Shears.

The above cut represents a Curved Shear of real worth and great merit. It is capable of cutting in sheet metal openings of any kind and shape. Letters are easily cut out from sheet metal. They are especially adapted for cutting off the bottoms of metal vessels, and for cutting openings in pipes or cylinders of every description, for furnace jackets, thimbles, tee joints, etc. A bottom can be cut from a pint cup or a copper boiler with equal ease.

- No. 15. Pointed Snips, entire length 9¼ inches. Weighs 18 oz.....each, \$5 00

## NIAGARA HAND SLITTING SHEARS.



These Shears are distinguished from ordinary Tinners' Shears through the peculiar shape and arrangement of the jaws and handles. The lower jaw is relieved to allow the material to slide backwards freely. Both of the handles remain above the work while cutting. A sheet of any length can be cut apart without trouble and injury to the hands of the operator.

These Shears are especially adapted to cutting corrugated sheets lengthwise, which cannot be done with ordinary snips. They are forged of solid steel, and the jaws are laid with best cast steel, carefully tempered. Total length 13¼ inches.

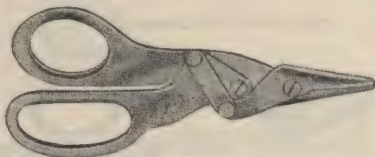
Niagara Hand Slitting Shears, 3-inch cut .....  
 Case Wood      Net Weight      Price  
 Referrn.      40 lbs.      \$3.00

## COMPOUND LEVER SHEARS



8 inch, length of cut $1\frac{1}{4}$ inch . . . . .	price 1 50
10 inch, length of cut $2\frac{1}{2}$ inch . . . . .	price 2 25
12 inch, length of cut 3 inch . . . . .	price 3 00
14 inch, length of cut $3\frac{1}{2}$ inch . . . . .	price 3 50

They will cut much easier. The common snip will require from two to four times the amount of strength to operate in heavy metal.



## Vest Pocket Size.

A handy tool for any and all kinds of small work. They have the cutting power of a twelve-inch snip, but should not be made to cut heavier than 26 gauge at the point. length 7 inches, weight 5 ounces. Length of cut.  $1\frac{1}{4}$  inches.

Price, postpaid, \$1.00.



## SOLDERING COPPERS—POINTED, ROOFING AND BOTTOM

HOOK AND RIVETED HANDLES

	3 lbs. per pair and heavier,	per lb. (base)
2 1/2	.....	\$ .01 additional
2	.....	.02 " "
1 1/2	.....	.03 " "
1	.....	.06 " "

Always state whether weight wanted is per pair or each and if hook or riveted handles.

## SOLDERING IRON HANDLES

Per dozen, ..... \$ .25

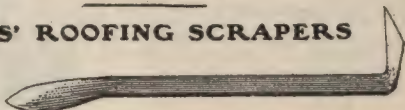


## DOGWOOD MALLET

Per dozen

2 1/2 inch,	.....
2 1/4 " "	.....
2 1/2 " "	.....
3 " "	.....

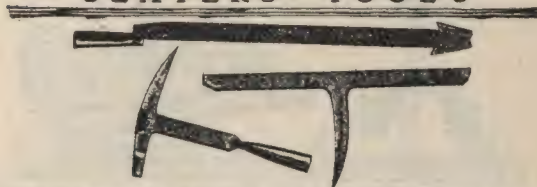
## TINNERS' ROOFING SCRAPERS



Forged from best quality steel; tempered and fully warranted.

Per dozen, ..... \$4.50

## SLATERS' TOOLS



The Hammers are forged from one solid piece of steel, finely polished and tempered, and the Ripper blade is cut from solid steel.

Slaters' Rippers (5 cents extra on every inch over 24 inches),	\$2.00
" Hammers,	3.00
" Stake not graduated,	.75
Set of Slaters' Tools (Ripper, Hammer and Stake),	5.00
Slaters' Stakes, graduated, 1 to 12 inches,	1.25

## ROOFING DOUBLE SEAMER.

We commend these Roofing Double Seamers for Standing Lock, because the work is done more evenly than by any other process. They turn the metal directly over and under, do not crimp the tin, and leave the formed locks of uniform height. They do not deface the surface of the roof; will work well over uneven roof boarding. Will double seam lips and ridges with perfect ease. They can be used by either hand or foot power. They will do the work much faster, easier and better than by hand and mallet. They are simple in construction, durable and not liable to get out of order. When shipped they are fitted for I. C. Tin.

These Double Seamers are now made and can be furnished adapted to several different styles of iron roofing; in fact for the formation of nearly every style of lock now used in applying sheet metals to roofs.

We can furnish Burritt's Double Seamers for galvanized iron roofing which will finish a 1-inch seam from material not heavier than No. 28 gauge and for single or double seams.

NOTE.—When ordering Seamers please state whether for common or wide gauge.

Common gauge adapted for  $1 \times 1\frac{1}{4}$ -inch Tongs. Finished seam  $\frac{1}{4}$  inch high.

Wide gauge adapted to  $1\frac{1}{4} \times 1\frac{1}{4}$ -inch Tongs. Finished seam 1 inch high.

## Burritt's Patent, for Standing Lock.

TWO PAIRS CONSTITUTE A SET.

Burritt's Double Seamers, for Tin Roofing.

Weight 88 lbs. .... per set of 2 pairs, \$30 00



Gutter Tongs.

## Roofing Double Seamer.

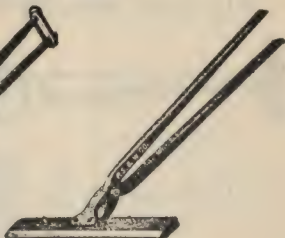
## Improved Wood Roofing Folder.

Roofing Double Seamers, to match Roofing Tongs. Weight 19 lbs. each..... per set (2),	\$1 75
Roofing Folder, Common, 30 inch, Wood. Weighs 12 lbs.....	3 50
Roofing Folder, Common, 20 inch, Wood. Weighs 9 lbs.....	2 50
Roofing Folder, Common, 14 inch, Wood. Weighs 7 lbs.....	2 50
Roofing Folder, Improved, 30 inch, Wood, with Gauge. Weighs 15 lbs.....	5 00
Roofing Folder, Improved, 20 inch, Wood, with Gauge. Weighs 11 lbs.....	3 50
Roofing Folder, Adjustable, for 20 or 30 inch, Wood, with Gauge. Weighs 15 lbs..	6 00
Gutter Tonge. Weighs 10 lbs. .... each,	5 00
Steel Blades for Roofing Folders, 30 inch..... each,	1 00
Steel Blades for Roofing Folders, 20 inch..... each,	1 50

## ROOFING TONGS.



Clamp Tongs.



Common Roofing Tongs.

The Clamp Roofing Tongs are used on the roof for drawing together the two layers of tin before clamping it.

Each size of common tongs turn but one size of lock.

In ordering, the size of lock wanted should be given.

If a set is ordered and no size named, 1 and  $1\frac{1}{4}$  inch will be sent.

Clamp Roofing Tongs. Weighs $3\frac{1}{2}$ lbs.	.....per pair,	<b>\$2 25</b>
Common Roofing Tongs. Steel, sizes $\frac{1}{4}$ , $\frac{3}{8}$ , $1\frac{1}{4}$ , $1\frac{3}{4}$ .	Weighs 7 to 9 lbs. ....per pair,	<b>3 00</b>
Common Roofing Tongs. Steel.	.....per set, 2 pair,	<b>6 00</b>



No. 00. Stow's Improved Roofing Tongs.



No. 2. Reese's Patent Adjustable Gauge Roofing Tongs.

No. 00 Improved Roofing Tongs are so made that a single pair may be easily adjusted to turn five different widths of locks, from  $\frac{1}{4}$  to  $1\frac{1}{4}$  inches.

No. 2 Reese's Patent Roofing Tongs will turn any size edge from  $\frac{1}{4}$  to 3 inches by simply adjusting the Thumb screw and sliding the gauge to the desired width. They are light and strong and adapted to bending all kinds of ordinary sheet metal.

No. 00. Stow's Improved Roofing Tongs. Weighs $8\frac{1}{2}$ lbs.	.....each,	<b>\$4 00</b>
No. 2. Reese's Patent Roofing Tongs. Weighs 9 lbs.	.....each,	<b>4 00</b>
Screws for Improved Roofing Tongs.	.....each,	<b>15</b>
Blades for Improved Roofing Tongs.	.....each,	<b>1 50</b>
Bolts for Improved Roofing Tongs.	.....each,	<b>25</b>

## Riveting and Setting Hammers.



### Riveting Hammers.

### Setting Hammers.

Nos.	0	1	2	3	4	5
Size of face .....inches	1½	1⅞	1	7⁄8	¾	¾
Riveting Hammers, each	\$1 30	82	70	57	45	40
Setting Hammers, each.		82	70	57	45	40

## Wire Chisels.



Size.....  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2 inches  
Wire Chisels, each 8 9 10 11. 12 13 14 15 17 19 20 24 29 cents.

## Lantern Chisels.



Common size, each.....12 cents.

## Hollow Punches.



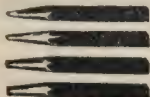
Hollow Punches, all sizes to and including 1 3/4 inch diameter.

round, per inch.....	\$1 00
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Hollow Punches, above 1 3/4 inch diameter, per inch.....	1 25
----------------------------------------------------------	------

Set of Hollow Punches, one each  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{2}$ ,  $1\frac{3}{4}$  inches, per set 5 50

## Solid Punches.

[illegible]

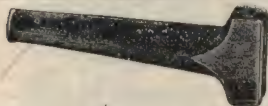
Solid Punches, cast steel, Nos. 0, 1, 2, 3, 4, 5, 6, 7, 8, and prick, each

Solid Punches, cast steel, Nos. 0, 1, 2, 3, 4, 5, 6, 7, 8, and prick, each



## Rivet Sets and Headers.

Nos.	00	0	1	2	3	4	5	6	7	8
Size of Hole.....	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{7}{32}$	$\frac{1}{8}$	$\frac{11}{64}$	$\frac{5}{32}$	$\frac{9}{64}$	$\frac{1}{8}$	$\frac{7}{64}$ in.
For Iron Rivet....	14	10&12	8	6	4&5	2 $\frac{1}{2}$ &3	1 $\frac{3}{4}$ &2	1 $\frac{1}{2}$	1 $\frac{1}{4}$ lb.	10&12 oz.
Rivet Sets and Headers, each	75	75	63	63	50	50	37	37	32	32 cts.
Rivet Sets for Ornaments.....	each 38 cents.									



## Grooving Tools.

Nos.	00	0	1	2	3	4	5	6	7	8
Sizes.....	$\frac{1}{2}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{8}$ inch
Grooving Tools, each	75	75	63	63	50	50	37	37	25	25 cts.



## Scratch Awls.

Scratch Awls, ring end.....per dozen \$1 20

## Bench Plates.



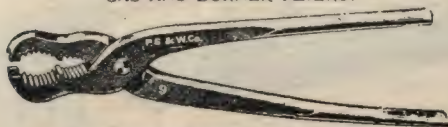
48x12...\$9 00  
37x 8... 5 00  
30x 8... 3 00

## FORGED STEEL COLD CHISELS



Inches.....	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$
Per Dozen.....	\$3 60	4 50	6 00	7 50	10 00	12 80

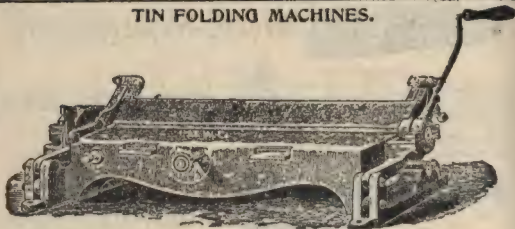
## GAS AND BURNER PLIERS.



Gas and Burner Pliers. Forged Steel, Polished.

inches. 5 00 6 00 7 00 8 25 9 25 10 25 11 50 12 50 13 50 14 50 15 00

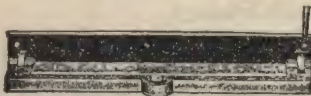
## TIN FOLDING MACHINES.

**STOW'S PATENT ADJUSTABLE BAR FOLDERS.**

WILL TURN LOCKS FROM 3-32 TO 1 INCH IN WIDTH.

These Folders are adapted to the same work as those described on the previous page, though somewhat different in construction. The movement of the gauge is instantaneous. The set screw in front and at the left of the machine holds the gauge firmly in place and secures a fold or lock of uniform width. The parts of these folders are interchangeable and correspond with the parts of our No. 52 Folder

- |          |                                                               |         |
|----------|---------------------------------------------------------------|---------|
| No. 152. | 20 $\frac{3}{4}$ inches, will turn Locks from 3-32 to 1 inch, |         |
|          | weighs 80 pounds.....                                         | \$30 00 |
| No. 154. | 31 inches, will turn Locks from 3-32 to 1 inch, weighs        |         |
|          | 155 pounds.....                                               | 40 00   |

**Iron Bottom Folder.**

Capacity, No. 24 Iron and Lighter

30 inch.....\$7 00

For ordinary work. Width of locks from  $\frac{1}{8}$  to  $\frac{1}{4}$  inch.**Improved Sheet-Iron Folder.**

Capacity, No. 24 Iron and Lighter.

This Folder is so constructed that the gauge always moves upon a line parallel with the edge of the folding plate. In place of the wooden handle we now furnish a steel handle. Width of locks from  $\frac{1}{8}$  to  $\frac{1}{4}$  inch.

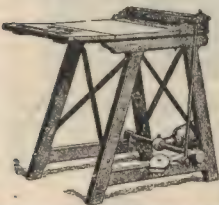


Shipping Price.
Weight.
30-in., 65 lbs..
\$10.00.



## Danzer's Lightning Edgers

HAND, FOOT AND BELT POWER—ADJUSTABLE GAUGE.



Capacity, 1 box 20 x 28 inches, 6 $\frac{3}{4}$  minutes.



Capacity, 1 box 20 x 28 inches, 10 minutes.

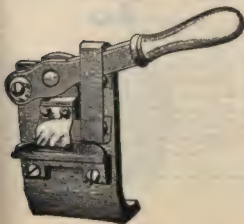
It will edge from  $\frac{1}{4}$  to  $\frac{5}{8}$  inches wide, either in tin or No. 27 and stove pipe iron. It will finish tin ready for flat seam roofing. It will edge a sheet of tin and kick it out without moving the sheet or turning it over the top of machine. A boy can work it. It will edge more tin than any other two machines. It is a time, labor and money saver. Made in two sizes.

### PRICES:

No.	Width
20—21 inch,	hand power, \$12.50
30—31 inch,	hand power, 16.25
20—21 inch,	foot power, 25.00
30—31 inch,	foot power, 28.50

## THE DANZER

### Lightning Cleat Former



Just what every Roofer needs. One movement of the handle makes the cleat and drops it in the box. It will make cleats  $1\frac{1}{2}$  inches wide and under, in Tin or Galvanized Iron, and any length you want. Weight 6 lbs.

Price.....\$1.50 net

## GUTTER MACHINES.



Stow's Patent Gutter Beaders.

All Gutter Beaders longer than 30 inches have two handles, so that the rod can be turned from both ends to prevent it from twisting. Special lengths of Stow's Patent Gutter Beaders can be furnished to order.

No. 00.	Steel Rod, 72 inches long, $\frac{3}{8}$ to 1 inch diameter.	Weights 100 lbs.....	\$35 00
No. 0.	Steel Rod, 30 inches long, $\frac{3}{8}$ to $\frac{1}{2}$ inch diameter.	Weights 66 lbs.....	10 00
No. 1.	Steel Rod, 20 inches long, $\frac{3}{8}$ to $\frac{1}{2}$ inch diameter.	Weights 30 lbs.....	5 50
No. 2.	Steel Rod, 15 inches long, $\frac{1}{4}$ to $\frac{1}{2}$ inch diameter	Weights 17 lbs.....	4 50



Iron Gutter Beaders, with Enclosed Rod.

No. A3.	Iron Bottom, with Enclosed Rod, 120 inches.	Weights 200 lbs.....	\$40 00
No. A2.	Iron Bottom, with Enclosed Rod, 96 inches.	Weights 160 lbs.....	30 00
No. A1.	Iron Bottom, with Enclosed Rod, 60 inches.	Weights 90 lbs.....	20 00
No. 01.	Iron Bottom, with Enclosed Rod, 42 inches.	Weights 25 lbs.....	9 00
No. 02.	Iron Bottom, with Enclosed Rod, 30 inches.	Weights 18 lbs.....	6 00
No. 11.	Iron Bottom, with Enclosed Rod, 20 inches.	Weights 11 lbs.....	4 00
No. 12.	Iron Bottom, with Enclosed Rod, 15 inches.	Weights 6 lbs.....	3 50

In ordering the above Gutter Beaders be sure and specify the diameter of Rod wanted.

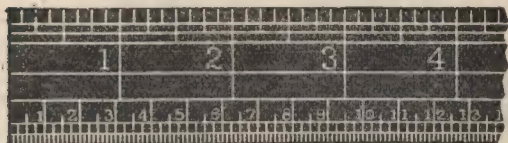


Steel Gutter Rods.

No. A3.	Steel Gutter Rods, $\frac{3}{4}$ to 1 inch diameter, 120 inches long.....	\$20 00
No. A2.	Steel Gutter Rods, $\frac{3}{4}$ to 1 inch diameter, 96 inches long.....	16 00
No. A1.	Steel Gutter Rods, $\frac{3}{4}$ to 1 inch diameter, 60 inches long.....	8 00
No. 01.	Steel Gutter Rods, $\frac{1}{2}$ to $\frac{3}{4}$ inch diameter, 42 inches long.....	4 50
No. 02.	Steel Gutter Rods, $\frac{1}{2}$ to $\frac{3}{4}$ inch diameter, 30 inches long.....	3 00
No. 11.	Steel Gutter Rods, $\frac{3}{4}$ to $\frac{1}{2}$ inch diameter, 20 inches long.....	2 00
No. 12.	Steel Gutter Rods, $\frac{3}{4}$ to $\frac{1}{2}$ inch diameter, 15 inches long.....	1 75

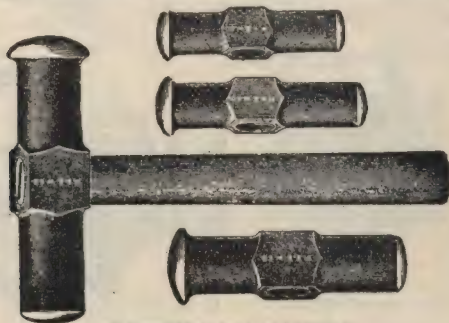
Steel Gutter Rods of other diameters and lengths made to order.

## TINNERS' STEEL RULE.



### Section of Tinner's Rule. Entire Length, One Yard.

- No. 101. Tinner's Rule, Polished .....each, \$3.50  
 No. 107. Tinner's Rule, Nickel Plated.....each, 4.00



### RAISING HAMMERS.

- No. 1. Raising Hammers, weight 5 lbs.....each, \$2.25  
 No. 2. Raising Hammers, weight 3¾ lbs.....each, 1.75  
 No. 3. Raising Hammers, weight 2¾ lbs.....each, 1.25  
 No. 4. Raising Hammers, weight 1¾ lbs.....each, .75  
 Handles.....per dozen extra, 1.25

### BISHOP GUTTER FORMERS.

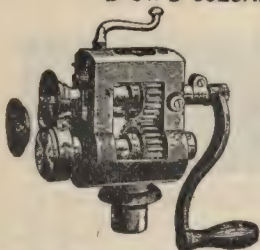
To make the Ends  
on Gutter.



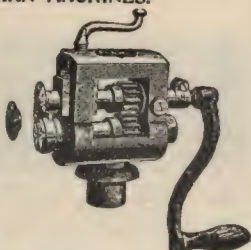
3½ inch	.....	.50
4 "	.....	.60
4½ "	.....	.65
5 "	.....	.75
6 "	.....	1.00



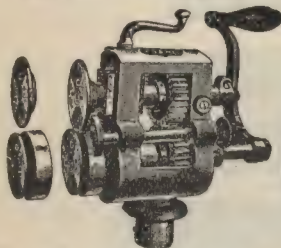
## STOW'S COLUMBIAN MACHINES.



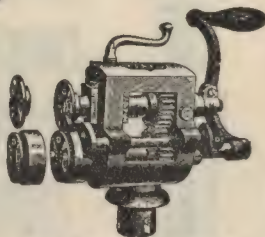
Large Burr and Stand, \$9 00.



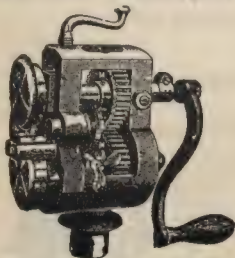
Small Burr and Stand, \$8.50



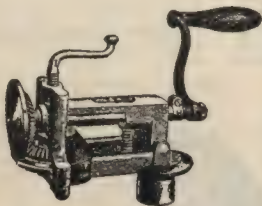
Large Turner and Stand, \$10.25.



Small Turner and Stand, \$10.00

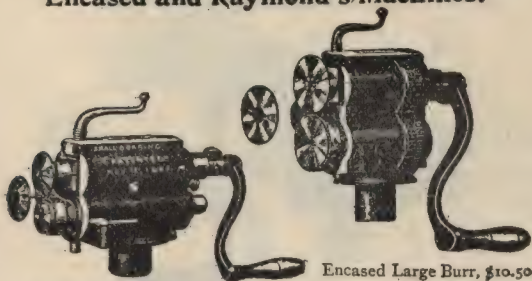


Wiring Machine and Stand, \$12.00.



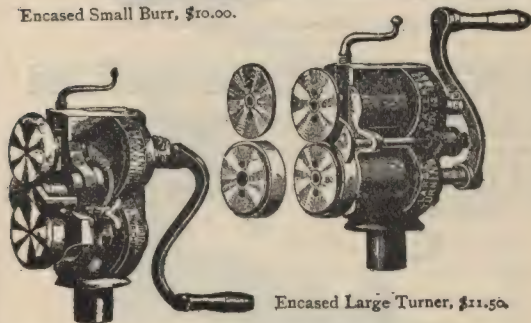
Setting Down and Stand, \$9.25

Encased and Raymond's Machines.



Encased Small Burr, \$10.00.

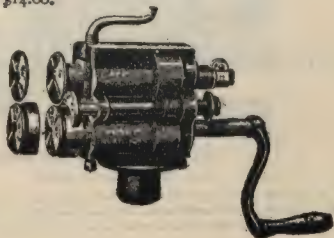
Encased Large Burr, \$10.50



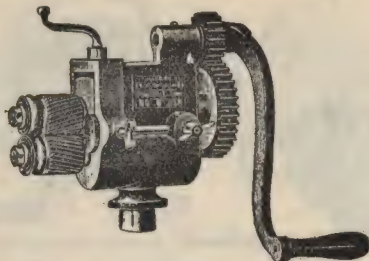
Encased Large Turner, \$11.50.

Encased Wiring Machine, \$14.00.

Encased  
Small Turner,  
\$11.25.



## STOVE PIPE CRIMPERS AND BEADERS.



Encased Combined Stove Pipe Crimper and Beader.

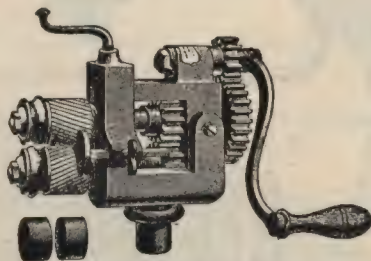
WITH DUPLICATE PARTS.

These Machines are designed to facilitate the making and putting together of metal pipe of different diameters. They crimp and contract the edges of stove and conductor pipe, so that the lengths are put together easily. Some are provided with beading rolls, which bead the pipe at the same time it is crimped. They have steel rolls. When Crimping only is desired, substitute the Collar in place of the Ogee Rolls. They are adapted to material as thick as No. 24 gauge.

The Nos. 6 and 06 machines can be regulated to crimp deep or shallow or of any uniform depth by means of the thumb screw near the handle, by lowering one or tightening the other — the upper shaft can be tipped either inward or from the handle as desired.

We make these machines in several styles and at different prices as herewith described.

- No. 6. Encased with Spiral Crimping and Beading Rolls, with Stand. Weighs 49 lbs. \$12 00  
 No. 06. Encased with Straight Crimping and Beading Rolls, with Stand. Weighs 49 lbs. 12 00



Stove Pipe Crimper and Beader.

WITH DUPLICATE PARTS.

- No. 7. With Spiral Crimping and Beading Rolls, with Stand. Weighs 45 lbs. .... \$12 00  
 No. 07. With Straight Crimping and Beading Rolls, with Stand. Weighs 45 lbs. .... 12 00  
 No. 9. With Spiral Crimping and Beading Rolls, with Foot Lever. Weighs 55 lbs. 14 00





## Stow's Beading Machines.

	Throat.	Shipping Weight.	Price.
No. 1 Beader, 13 inches	165 lbs.	\$32 25	
No. 2 " 10 "	150 "	31 25	
No. 3 " 7½ "	100 "	26 25	
No. 4 " 6 "	47 "	19 75	
No. 5 " 4 "	34 "	16 75	



## Packham Crimper and Beaders

With stand, net..... \$6.50

No stand, net..... 6.00

Will crimp or swedge separately or together.



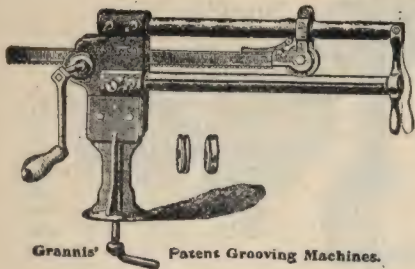
## Stow's Brass-Mounted Groover.

This Groover is supplied with three grooved rolls,  $\frac{1}{2}$ ,  $\frac{3}{4}$  and  $\frac{1}{2}$ -inch wide.

17-inch Stow's Groover, with stand.....\$11 00

20-inch Stow's Groover, with stand..... 13 50

## Sheet Metal Groovers.



20 in., 85 lbs.

\$13.50

30 in., 100 lbs.

\$18.00

Grannis' Patent Grooving Machines.

## Stow's Squaring Shears.



If you do not have a squaring shear, by all means get this one. You will afterward wonder how you ever got along without it.

				Price.
Stow's Squaring Shear.....				
22 inch .."	"	Cut No. 20, Iron.....		\$35 00
30 " .."	"	" " " 18 .."		50 00

## Forming Rolls--Plain.



For forming light sheet metal into cylindrical shape, such as tin pipe, can bodies, stove pipe, etc. The rolls are of steel, finely finished, and free from indentations and imperfections. Our Formers with rolls 1 and 1½-inch diameter have brass gears; larger sizes have steel gears.

	Diameter,	Length,
Stove-Pipe Former,.....	1½ inches,	30 inches,
	" "	30 "

Shipping Weight,	Price
118 lbs,	\$18 00
140 "	19 00

## Hulbert's Double Seamer.

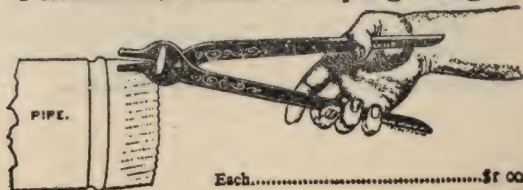


Double seams all kinds of flaring and straight work, coffee and tea-pots, oval and round boilers and raised work. It defects the ware after it is soldered, thus giving strength to the articles.

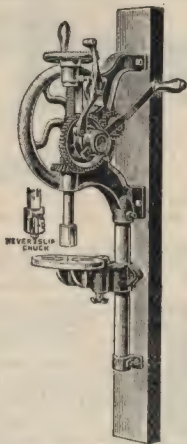
Ten disks and three faces accompany each Seamer. Diameter of flaring disks 4½, 6½, 7½, 8½ and 11½-inch; straight disks, 4½, 5½, 8½ and 10½-inch; oval edge disk, 5½-inch. Shipping weight—14-inch, 130 lbs.; 20 inch, 160 lbs.

Hulbert's Seamer, with deflector for work up to 14 inches high.....	\$27 00
" " without " " " 14 " " .....	25 00
" " with " " " 20 " " .....	30 00
Extra Disks.....each,	1 50

## Packham's Hand Crimping Tongs.



Each.....\$1 00

**NO. 101 SELF-FEED BLACKSMITH POST DRILL**

No. 101 Champion Post Drill is built to furnish an Automatic Self-Feed Drill at the lowest price possible. It has back gears and is a nicely made little Drill with slotted lathe-turned table. It will drill to the center of a 12-inch circle. It has one speed for the crank. The spindle is  $\frac{3}{4}$ -inch in diameter. It drills holes up to  $\frac{3}{4}$ -inch and has an up-and-down run of 3 inches. The spindle is bored like Never Slip Chuck for  $\frac{3}{4}$ -inch straight shank Drills.

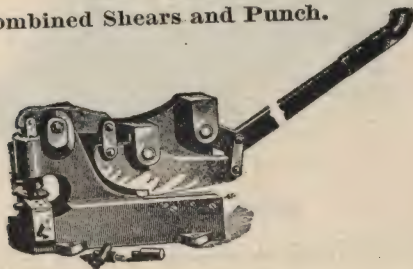
Or when specially ordered,  $\frac{1}{2}$  or  $\frac{1}{4}$ .

**No. 101 Champion Self-Feed Blacksmith Post Drill. Weight 80 lbs., . . \$7.00**

## SHEARS AND PUNCHES.

These Machines are suitable for both cutting and punching metal. They may be used for cutting  $\frac{1}{8}$ -inch iron, and  $\frac{1}{8}$  and  $\frac{1}{4}$ -inch narrow bars. The No. 1 will punch the centre of a circle  $5\frac{1}{4}$  inches in diameter and the No. 2,  $5\frac{1}{2}$  inches. Four Punches are put up with No. 1, viz.:  $\frac{1}{8}$ ,  $\frac{1}{8}$ ,  $\frac{1}{4}$  and  $\frac{1}{8}$  inch. Five Punches are put up with No. 2, viz.:  $\frac{1}{8}$ ,  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$  and  $\frac{3}{8}$  inch.

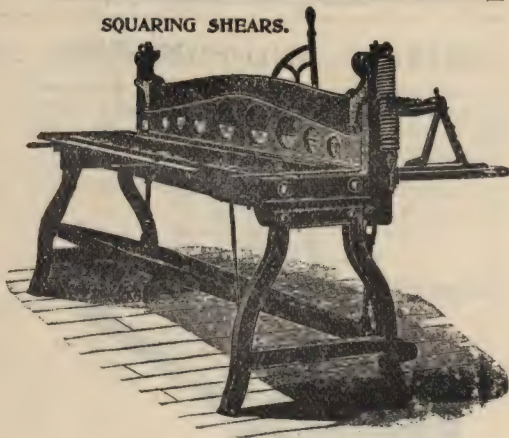
### Nos. 1 and 2 Combined Shears and Punch.



No. 1. will punch  $\frac{1}{8}$  inch iron... Weight 100 lbs..  
No. 2. will punch  $\frac{3}{8}$  inch iron... Weight 120 lbs..

No. 1. Shear and Punch, $4\frac{1}{2}$ inch cut	\$20 00
No. 2. Shear and Punch, $5\frac{1}{2}$ inch cut,	25 00
Bed, Complete (Drilled and Fitted) for No. 1	10 00
Bed, Complete (Drilled and Fitted) for No. 2.	12 00
Die Holders for Nos. 1 or 2 .....	1 00
Extra Punches, for Nos. 1 or 2.....	75
Extra Dies, for Nos. 1 or 2.....	1 25

## SQUARING SHEARS.



Cornice Makers' Shears.

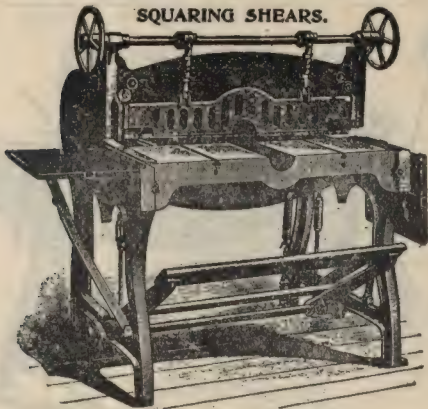
WITH LEVER ARC AUTOMATIC GAUGE.

In addition to the large line of Squaring Shears, herein described, we are now manufacturing special Shears to meet the wants of cornice makers and others requiring a first-class shears of great capacity, and embodying the latest improvements and at a low price. As shown in the above illustration these shears have an automatic Hold Down attachment, gauges for squaring and cutting at angles, and our New Device for working the back gauge with arm and slide in place of bevel gears and screws as heretofore used. The lever is operated from the centre of the shears on a graduated arc which indicates the position of the gauge, and from the front instead of the back of the shears. To cut sheets  $\frac{3}{4}$  to 11 inches wide, simply move the lever to the corresponding measurement indicated on the arc. To cut from 11 to 30 inches in width, move the gauge to the second pocket in the slides and operate the lever in the same manner as in cutting narrow widths. We manufacture these shears in two sizes only, and guarantee them to cut No. 36 iron the entire length of the blades.

No. 720.	Lever Arc Shears, 78 inches long.	Weights 1700 lbs.	.....	\$200.00
No. 960.	Lever Arc Shears, 97 inches long.	Weights 2400 lbs.	.....	250.00



## SQUARING SHEARS.



Continuous Cutting or Gap Shears.

WITH HOLD DOWN ATTACHMENT.

These Shears are made from entirely new patterns, and are arranged with gauges for cutting sheet metal of any length into strips from  $\frac{1}{4}$  inch to 18 inches in width. Sheet metal 30 inches wide may be cross cut at any point desired.

To cut metal into strips longer than 30 inches, the gauges at the end of the shears should be removed. No other adjustment is necessary.

The hold down attachment is operated by hand and slides on independent ways, so that when the blades are in motion the hold down remains in a fixed position. It can be operated from either end of the shear by means of the small hand wheels. It is arranged with eccentrics, so that when the hold down is brought against the plate it holds itself firmly in position.

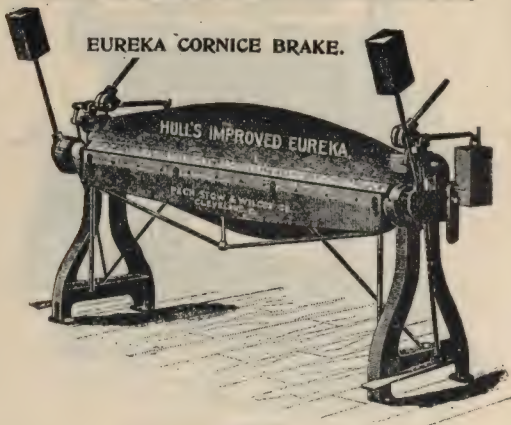
They are fitted with side extension tables for supporting long sheets of metal.

Distinct lines are planed in the bed plate parallel with the blades, to aid in adjusting the gauges.

Adjustable gauges are provided for the side extension tables, to be used when cutting long sheets.

The treadle is arranged so that the connecting rod can be instantly changed to give increased leverage for cutting heavy metal. These shears are now furnished with our extension treadle, as shown in the illustration. This extension will be found useful when cutting metal heavier than No. 16 gauge.

No. 85.	For Foot Power, 30 inches, 15-inch throat, will cut No. 16 Iron. Weighs 1275 lbs	\$150 00.
No. 86.	For Foot Power 37 inches, 18-inch throat, will cut No. 16 Iron. Weighs 1450 lbs.	175 00
No. 185.	For Power; 30 inches, 15-inch throat, will cut No. 16 Iron. Weighs 1700 lbs.	225 00



**Hull's Improved Eureka Cornice Brake.**

WITH LEVER WEIGHTS AND TREADLE ATTACHMENT.

The demand for a first-class Cornice Brake of a high grade and at a somewhat lower price than our celebrated *Hull's Four Leaf Cornice Brake* has induced us to put upon the market an eight-foot brake, known as the *Hull's Improved Eureka*, with Lever Weights and Treadle Attachment. This machine is exceedingly well made and simple in construction. We guarantee it to be of equal merit with any brake of its class. This brake is warranted to bend No. 20 Iron perfectly straight its entire length without springing. It is easily and quickly operated.

Seven formers are furnished with each machine for making circular bends.

One each  $3\frac{3}{4}$ , 2,  $1\frac{1}{4}$ ,  $1\frac{1}{4}$ ,  $1\frac{1}{4}$  and 1 inch.

The formers are held to the machine by friction clamps and are easily attached or detached. Clamping jaws open  $1\frac{1}{4}$  inches.

**No. 196.** Hull's Improved Eureka Cornice Brake, Clamps 90 inches. Weighs 9900 lbs. \$185 00

## ROOFING SEAMER

Over 3500 in use.

A boy can work it.



Size 20 in. Price \$45.50

Size 28 in. Price \$50.50



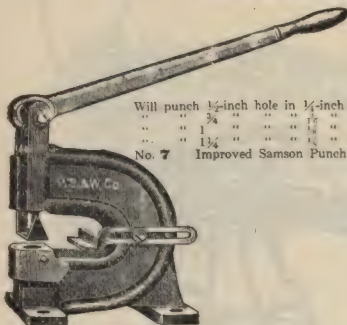
## BURRITT'S SEAMERS

Size 20 in. Price \$44.00

" 28 " Price \$52.00

Discount 10 per cent.

## SAMSON PUNCH.



	Punch.	Dies.
Will punch 1/2-inch hole in 1/4-inch Iron Each	\$1 00	\$1 50
" " 3/4 " " " " " " " "	1 50	1 50
" " 1 " " " " " " " "	2 00	2 00
" " 1 1/4 " " " " " " " "	2 50	2 50
No. 7 Improved Samson Punch Weight 200 lbs.		40 00

Bed or Frame Complete (drilled or fitted) for No. 7	Each	18 00
Punches for No. 7, 1/4, 1/2 and 3/4 inch	Each	1 00
Dies for No. 7, 1/4, 1/2 and 3/4 inch		1 50
Strippers which are necessary for Punches ranging from 1/2 to 1 1/4 inches		2 00

We warrant the No. 7 Samson Punch to punch 1/4, 5-16 and 3/8-inch holes in 1/4-inch iron.

Depth of Gap, 8 inches, will center on 12-inch sheets. With each Machine are 3 sets of Dies and Punches, 1/4, 5-16 and 3/8 inch with Stripper for same.

This Machine is constructed to meet a wide field of usefulness and is fitted with Die Holder, the removal of which permits the usage of Special Larger Dies up to 1 1/4 inch, inclusive. Smaller sizes of Punches and Dies can be supplied down to 1/8 inch.

This Dies for No. 7 Samson Punch are fitted for punching full thickness of stock. If wanted for punching clean holes in tin or light metal a closer fitting Die must be used, which can be furnished at the price of the regular Dies of the same size.

## PORTABLE LEVER PUNCH.



## Improved Lever Punch.

The illustration shows the method of construction of this handy and useful tool. The Toggle Movement is powerful, and it works easily and rapidly. It is made to combine light weight with strength. The Gauges, both back and side, are easily adjusted. Depth of Throat 1 1/4 inch.

Three Dies and three Punches accompany each machine.

The sizes of the Punches are 1/4, 5-16 and 3/8 inch, and can be used on material as thick as No. 20 gauge.

No. 10 Portable Punch	Weight 10 lbs.	Each	\$8 00
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# Adjustable Pocket" Seamer



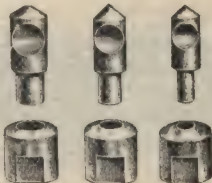
*Send POST-PAID  
for  
CASH WITH ORDER*

Size 7" x 3 1/2".  
Price each, \$1.00

A very handy and time-saving tool for sheet metal workers for making good seams on difficult joints, on a roof or in the shop.

It pays for itself in a few days.

## PEXTO HAND PUNCH.



Lever Hand Punch and Dies.

Height 4 inches. Length 7 1/2 inches

A practical and handy Tool, light in weight, strong in construction and powerful

Will punch 1/8-inch holes in No. 18 Iron and 3/16 and 1/4-inch in No. 20.

Depth of Throat, 1 inch.

No. 790 Pexto Hand Punch, complete with set of dies . . . \$3 50

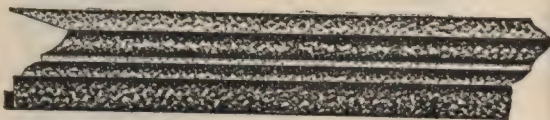
## Crown Mouldings

If furnished with diagram, we can make any size or style Moulding the customer may desire.

Prices on Belt Moulding, Galvanized or Copper, furnished on application.

### FOR WOOD.

No. 90.

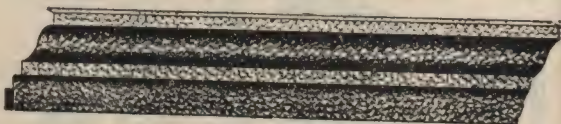


Height,  $10\frac{1}{4}$  inches..... Projection,  $4\frac{1}{4}$  inches. . . Girt, 21 inches

Galvanized, per Foot  
.. Price, 22 cents

### FOR WOOD.

No. 91.



Height, 13 inches..... Projection,  $6\frac{1}{2}$  inches..... Girt, 21 inches.....

Galvanized, per Foot  
.. Price, 22 cents

### FOR BRICK.

No. 92.



Height, 10 inches..... Projection,  $5\frac{1}{4}$  inches..... Girt, 21 inches.....

Galvanized, per Foot  
.. Price, 21 cents

Write for Discounts



# Cornices

## Made of Galvanized Sheets

The following illustrations are intended to convey an idea of the character of work we manufacture, and for parties to select from who may not have chosen or prepared special designs of their own.

### TINNERS

Will find it to their interest to handle our Cornices, since it will enable them to secure profitable work at times when they are obliged to submit figures on Cornice work in connection with other work on the same building.

## Lintel Cornices



No. 10.

Height,  $4\frac{1}{4}$  in.; projection,  $3\frac{1}{4}$  in.; girt, 12 in. Price per foot, \$0.12.



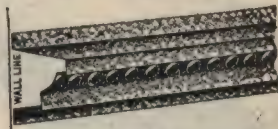
No. 13.

Height,  $4\frac{1}{4}$  in.; projection,  $3\frac{1}{4}$  in.; girt, 12 in. Price per foot, \$0.12.



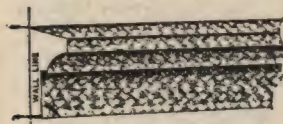
No. 11.

Height, 4 in.; projection,  $3\frac{3}{4}$  in.; girt, 14 in. Price per foot, \$0.14.



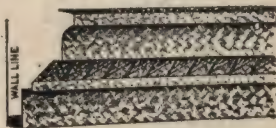
No. 14.

Height, 7 in.; projection, 5 in.; girt, 18 in. Price per foot, \$0.27.



No. 12.

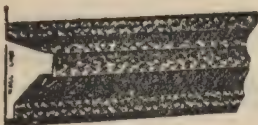
Height, 7 in.; projection,  $4\frac{1}{4}$  in.; girt, 16 in. Price per foot, \$0.16.



No. 15.

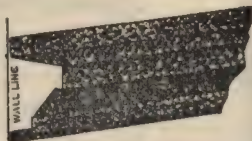
Height, 12 in.; projection,  $8\frac{1}{4}$  in.; girt, 20 in. Price per foot, \$0.50.

# Lintel Cornices



No. 16.

Height, 8 in.; projection, 6 in.; girt,  
20 in. Price per foot, \$0.80



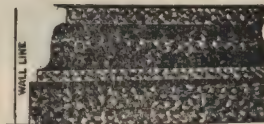
No. 17.

Height, 8 in.; projection, 6 in.; girt,  
20 in. Price per foot, \$0.20.



No. 18.

Height, 12 in.; projection, 6½ in.; girt,  
30 in. Price per foot, \$0.80



No. 19.

Height, 12 in.; projection, 8 in.; girt,  
20 in. Price per foot, \$0.20.



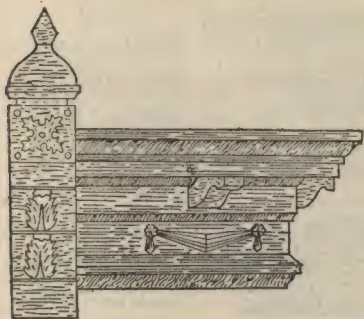
No. 20.

Height, 11 in.; projection, 7 in.; girt,  
24 in. Price per foot, \$0.21



No. 21.

Height, 12 in.; projection, 7½ in.; girt,  
20 in. Price per foot, \$0.20.



No. 1.

Galvanized  
Cornice.

24 inch, \$ 97 per ft.

30 " 1 20 "

36 " 1 35 "

End Blocks, \$4 90  
each.



No. 2.

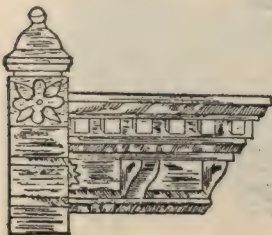
Galvanized  
Cornice.

22 inch, \$ 75 per ft.

24 " 82 "

30 " 98 "

36 " 1 05 "



No. 3.

Galvanized  
Cornice.

30 inch, \$ 67 per ft.

End Blocks, \$4 50  
each.



No. 4.

## Galvanized Cornice

18 inch, 48 cts. per foot.

20 " 56 " " "

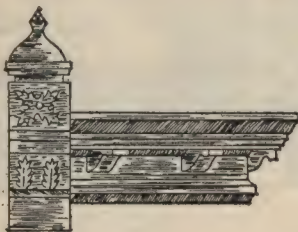
22 " 64 " " "



No. 5.

## Galvanized Cornice

16 inch, 48 cts. per foot.



No. 6.

## Galvanized Cornice

14 inch, 64 cts. per foot.

End Blocks, \$4.50 each



No. 7

## Galvanized Cornice

12 inch, 37 cts. per foot.

14 " 48 " " "

# Galvanized Iron Cornices.

Prices for Copper Quoted on Application.

No. 8.

Height.	Projection.	Per Foot.	End Block.
24 inches	12 inches	\$1. 20	\$7 50
30 "	15 "	1 40	9 00
36 "	18 "	1 80	10 00

No. 9.

Height.	Projection.	Per Foot.	End Block.
24 inches	12 inches	\$1 15	\$8 00
28 "	14 "	1 25	9 00
30 "	15 "	1 35	10 00
36 "	18 "	1 65	11 00

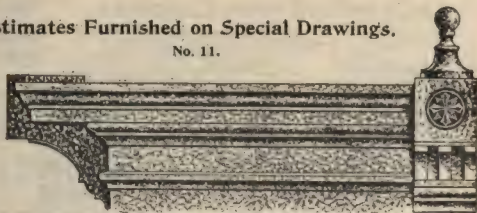
No. 10.

Height.	Projection.	Per Foot.	End Block.
24 inches	12 inches	\$ . 90	\$5 30
26 "	13 "	1 05	5 30
28 "	14 "	1 20	5 50
30 "	15 "	1 35	6 00
36 "	18 "	1 80	6 50



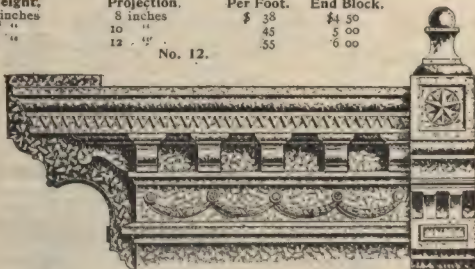
## Estimates Furnished on Special Drawings.

No. 11.



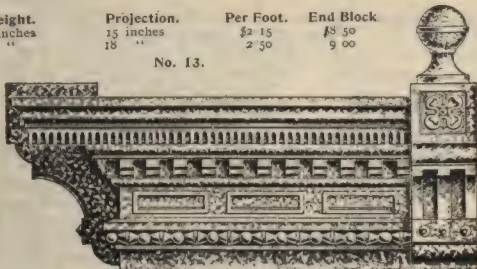
Height.	Projection.	Per Foot.	End Block.
26 inches	8 inches	\$ 38	\$4 50
30 "	10 "	45	5 00
34 "	12 "	55	6 00

No. 12.



Height.	Projection.	Per Foot.	End Block.
30 inches	15 inches	\$2 15	\$8 50
36 "	18 "	2 50	9 00

No. 13.



Height.	Projection.	Per Foot.	End Block.
36 inches	18 inches	\$2 50	\$8 00
42 "	21 "	3 00	8 50
48 "	24 "	3 75	9 00



## Cornices



No. 22.

Height, 26 inches; projection, 12 inches; price per foot.....\$0.39  
End Blocks, each.....1.00



No. 23.

Height, 28 inches; projection, 14 inches; price per foot.....\$1.10  
End Blocks, each.....3.00



No. 24

Height, 30 inches; projection, 15 inches; price per foot.....\$1.20  
End Blocks, each.....3.00  
Urns, each.....1.90



No. 25.

Height, 30 inches; projection, 15 inches; price per foot.....\$1.40  
End Blocks, each.....3.25



# Cornices



No. 29.

Height, 26 inches; projection, 12 inches; price per foot.....	\$1.30
End Blocks, each.....	5.40
Urns, each.....	2.25



No. 30.

Height, 45 inches; projection, 16 inches; price per foot.....	\$ 3.60
Pediment.....	12.00
Letters, each.....	.60
End Blocks, each.....	7.00
Urns, each.....	2.00

## Galvanized IRON BLOCK LETTERS.

**K S**

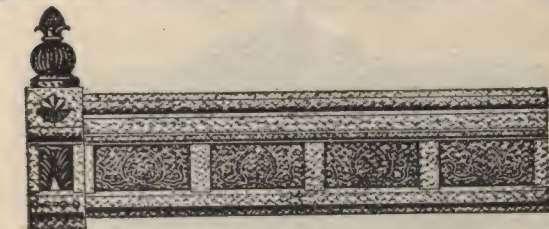
Block— 6 inch .....	\$ 50 cts. each
— 12 inch .....	.70 cts. each
— 18 inch .....	1.00 cts. each
— 24 inch .....	1.50 each
— 36 inch .....	2.00 each

# Cornices



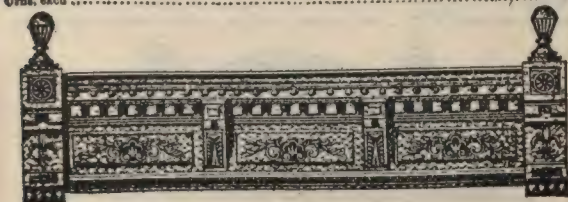
No. 26.

Height, 60 inches; projection, 28 inches; price per foot.....\$3.75  
End Blocks, each.....6.00



No. 27.

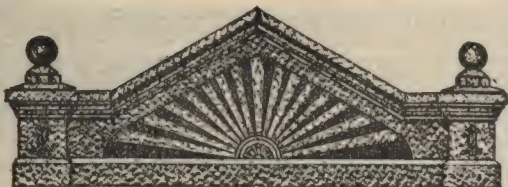
Height, 26 inches; projection, 12 inches; price per foot.....\$0.90  
End Blocks, each.....8.75  
Urns, each.....3.00



No. 28.

Height, 46 inches; projection, 26 inches; price per foot.....\$3.25  
End Blocks, each.....6.00  
Urns, each.....3.00

# Cornice Pediments



No. 31.

Length, 9 feet; height in center, 3 feet 2 inches; price,.....\$28.00



No. 32.

Length, 8 feet; height in center, 4 feet; price,.....\$27.50  
Letters, each \$0.60. Can be used on either style of Cornice and Front.



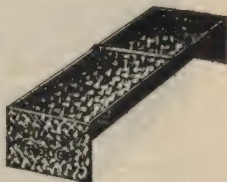
No. 33.

Length, 8 feet 8 inches; height, 3 feet 1 inch; price,.....\$41.00

## Poultry Troughs

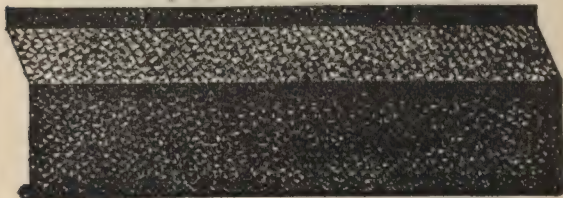
Width	Inside Depth	Outside Depth	Length	Price
4 in.....	2 in.....	3 $\frac{1}{4}$ in.....	30 in.....	\$ .75
6 in.....	3 in.....	3 $\frac{3}{4}$ in.....	36 in.....	.90
7 in.....	3 $\frac{1}{4}$ in.....	4 $\frac{1}{4}$ in.....	36 in.....	1.00

We are prepared to make at once shipment of all Tanks and Troughs ordered.



## Galvanized Track Cover

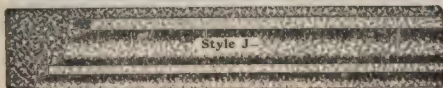
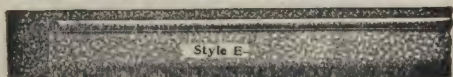
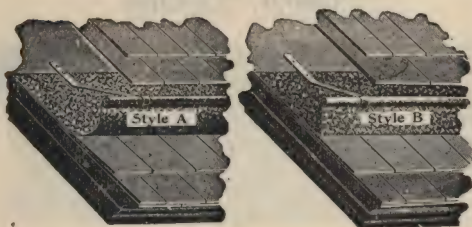
Protects Barn-door Rails from Rain, Snow and Ice, preventing Wheels and Rail from Rust.



Price per foot..... 10 cents



## GALVANIZED ROOF GUTTERS





**O. G. BOX AND ROOF GUTTERS**  
**Galvanized Steel and Galvanized Toncan Metal.**

Styles "A," "B," "C," "D," "E," "F," "G" and "H."

Girth, Inches	10	12	14	15	16	18	20	22	24	26	28	30
29 gauge	.25	.30	.35	.37	.40	.45	.50	.55	.60	.65	.70	.75
28 gauge	.27	.32	.37	.39	.44	.49	.54	.59	.64	.69	.74	.79
27 gauge	.29	.34	.39	.41	.48	.53	.58	.63	.68	.73	.78	.83
26 gauge	.31	.36	.41	.43	.52	.57	.62	.67	.72	.77	.82	.87
24 gauge	.49	.54	.59	.61	.64	.69	.74	.79	.84	.89	.94	.99

Style "J."

Girth, Inches	10	12	14	15	16	18	20	22	24	26	28	30
29 gauge	.30	.36	.42	.45	.48	.54	.60	.66	.72	.78	.84	.90
28 gauge	.32	.38	.44	.47	.52	.58	.64	.70	.76	.82	.88	.94
27 gauge	.34	.40	.46	.49	.56	.62	.68	.74	.80	.86	.92	.98
26 gauge	.36	.42	.48	.51	.60	.66	.72	.78	.84	.90	.96	1.02
24 gauge	.54	.60	.66	.69	.72	.78	.84	.90	.96	1.02	1.08	1.14

**PLAIN RIDGE ROLL AND V RIDGE CAP—Galvanized Steel and Toncan Metal.**

Girth, Inches	6	7	8	10	12	14
29 gauge	.13	.14	.16	.19	.23	.28
28 gauge	.15	.16	.18	.21	.25	.30
27 gauge	.17	.18	.20	.23	.27	.32
26 gauge	.19	.20	.22	.25	.29	.34
24 gauge	.25	.26	.28	.31	.35	.40

**FORMED VALLEY—Galvanized Steel and Galvanized Toncan Metal.**

Girth, Inches	10	12	14	16	20	24	28	30
29 gauge	.12½	.15	.17½	.20	.25	.30	.35	.37
28 gauge	.14½	.17	.19½	.22	.27	.32	.37	.39
27 gauge	.16½	.19	.21½	.24	.29	.34	.39	.41
26 gauge	.18½	.21	.23½	.26	.31	.36	.41	.43
24 gauge	.24½	.27	.29½	.32	.37	.42	.47	.49

Odd girths not specified take list of next higher girth.

**GUTTER MITRES.**



Outside Corner Mitre



Inside Corner Mitre

**- GALVANIZED STEEL AND GALVANIZED TONCAN METAL.**

Size, In	Single Bead—Lap Joint—Per Doz.								Single Bead—Slip Joint—Per Doz.							
	3½	4	4½	5	6	7	8		3	3½	4	4½	5	6	7	8
25 G.	3.25	3.50	4.00	4.00	5.00	6.50	8.00		4.25	4.50	5.00	5.00	6.00	6.00	7.50	9.00
28 G.	3.75	4.00	4.50	4.50	5.75	7.50	9.00		4.75	5.00	5.50	5.50	6.75	6.75	8.50	10.00
26 G.	4.00	4.25	4.75	4.75	6.00	8.00	9.50		5.00	5.25	5.75	5.75	7.00	7.00	9.00	10.50
24 G.	4.75	5.00	5.50	5.50	7.00	9.00	11.00		5.75	6.00	6.50	6.50	8.00	8.00	10.00	12.00
Double Bead—Lap Joint Per Doz.																
29 G.	4.25	4.50	5.00	5.00	6.00	7.50	9.00		5.25	5.50	6.00	6.00	7.00	7.00	8.50	10.00
28 G.	4.75	5.00	5.50	5.50	6.75	8.50	10.00		5.75	6.00	6.50	6.50	7.75	7.75	9.50	11.00
26 G.	5.00	5.25	5.75	5.75	7.00	9.00	10.50		6.00	6.25	6.75	6.75	8.00	8.00	10.00	11.50
24 G.	5.75	6.00	6.50	6.50	8.00	10.00	12.00		6.75	7.00	7.50	7.50	9.00	9.00	11.00	13.00
Double Bead—Slip Joint—Per Doz.																
29 G.	4.25	4.50	5.00	5.00	6.00	7.50	9.00		5.25	5.50	6.00	6.00	7.00	7.00	8.50	10.00
28 G.	4.75	5.00	5.50	5.50	6.75	8.50	10.00		5.75	6.00	6.50	6.50	7.75	7.75	9.50	11.00
26 G.	5.00	5.25	5.75	5.75	7.00	9.00	10.50		6.00	6.25	6.75	6.75	8.00	8.00	10.00	11.50
24 G.	5.75	6.00	6.50	6.50	8.00	10.00	12.00		6.75	7.00	7.50	7.50	9.00	9.00	11.00	13.00

# Gutter End Pieces, Caps and Outlets.

Standard Lists, Steel and Ingot Iron.



Outlet only



End Piece Complete



Cap only

SIZE, INCHES	END PIECES COMPLETE							
	3	3½	4	4½	5	6	7	8
Per Dozen, Single Bead.....	\$2.80	\$2.80	\$3.10	\$3.45	\$3.45	\$4.15	\$4.70	\$5.25
Per Dozen, Double Bead.....	3.30	3.30	3.60	3.95	3.95	4.65	5.20	5.75
Per Dozen, Caps only.....	.95	.95	1.10	1.20	1.20	1.45	1.70	2.10
Per Dozen, Outlets only.....	.75	.80	.85	.95	.95	1.20	.....	.....

## COPPER EAVES TROUGH FITTINGS

Size	Mitres				Ends with Outlets each	End Caps and Dr'ps each
	14 ozs. each		16 ozs. each			
	Lap	Slip	Lap	Slip		
3 in.	\$0 75	\$0 85	\$0 85	\$0 95	\$0 95	\$0 40
3½ "	80	90	90	1 00	1 00	45
4 "	80	95	95	1 05	1 05	45
4½ "	90	1 00	1 00	1 10	1 10	48
5 "	90	1 00	1 00	1 10	1 10	48
6 "	95	1 05	1 05	1 15	1 15	50
7 "	1 00	1 15	1 15	1 30	1 30	60
8 "	1 20	1 35	1 35	1 50	1 50	70

Double Bead Mitres, add 25 cents each.

In ordering Mitres, state whether "Inside" or "Outside" are wanted, and, if Slip Joint, whether "Rights" or "Lefts." Otherwise half of each kind will be shipped.

## ELBOWS AND SHOES



## ROUND CORRUGATED AND PLAIN ROUND

SIZE	GALV'D STEEL OR TIN		GALV'D C. C. IRON	
	ELBOWS	SHOES	ELBOWS	SHOES
2 inch List, each	.30	.40	.40	.50
2½ inch List, each	.36	.48	.48	.60
3 inch List, each	.36	.48	.48	.60
3½ inch List, each	.60	.75	.75	.90
4 inch List, each	.60	.75	.75	.90
5 inch List, each	1.25	1.50	1.45	1.65
6 inch List, each	1.50	1.80	1.75	2.00

	14 OZ. COPPER		16 OZ. COPPER	
	ELBOWS	SHOES	ELBOWS	SHOES
2 inch List, each	.70	.75	.75	.85
2½ inch List, each	.90	1.00	1.00	1.10
3 inch List, each	.90	1.00	1.00	1.10
3½ inch List, each	1.35	1.50	1.50	1.65
4 inch List, each	1.35	1.50	1.50	1.65
5 inch List, each	2.00	2.25	2.25	2.50
6 inch List, each	2.85	3.15	3.15	3.50

## SQUARE CORRUGATED ELBOWS AND SHOES

SIZE	GALV'D STEEL OR TIN		GALV'D C. C. IRON	
	ELBOWS	SHOES	ELBOWS	SHOES
2 inch List each	.40	.50	.60	.75
3 inch List, each	.50	.60	.70	.85
4 inch List, each	.65	.80	.90	1.10
5 inch List, each	1.00	1.25	1.35	1.60

	14 OZ. COPPER		16 OZ. COPPER	
	ELBOWS No. 0 1 2 3	SHOES AND No. 4 ELB.	ELBOWS No. 0 1 2 3	SHOES AND No. 4 ELB.
2 inch List, each	.85	.90	.90	1.05
3 inch List each	1.10	1.20	1.20	1.35
4 inch List, each	1.60	1.80	1.80	2.00
5 inch List, each	2.40	2.75	2.75	3.00

**Galvanized Steel**  
**EAVE TROUGH—HEAVY GAUGES,**

Size, In.	Single Bead Lap Joint									
	3	3½	4	4½	5	6	7	8	9	10
22 Gauge	43	44	46	48	49	53	57	60	65	69
20 "	53	54	56	58	59	63	67	70	75	79
18 "	63	64	66	68	69	73	77	80	85	89

Double Bead Lap Joint										
22 Gauge	53	54	56	58	59	63	67	70	75	79
20 "	63	64	66	68	69	73	77	80	85	89
18 "	73	74	76	78	79	83	87	90	95	99

Single Bead Slip Joint										
22 Gauge	45	46	48	50	51	55	59	62	67	71
20 "	55	56	58	60	61	65	69	72	77	81
18 "	65	66	68	70	71	75	79	82	87	91

Double Bead Slip Joint										
22 Gauge	55	56	58	60	61	65	69	72	77	81
20 "	65	66	68	70	71	75	79	82	87	91
18 "	75	76	78	80	81	85	89	92	97	101

**COPPER—EAVE TROUGH**

Single Bead, Lap Joint									
Size, In	3	3½	4	5	6	7	8	9	10
14 oz....	31	36	40	50	61	71	82	91	1 00
16 oz....	33	39	44	54	66	77	88	98	1 08
20 oz....	41	49	55	67	83	96	1 10	1 22	1 34

Double Bead, Lap Joint										
14 oz.....	37	42	46	56	67	77	88	1 00	1 12	
16 oz.....	39	45	50	60	72	83	94	1 07	1 20	
20 oz.....	49	57	63	75	91	1 04	1 18	1 34	1 50	

Single Bead, Slip Joint										
14 oz....	34	39	43	53	64	74	85	96	1 06	
16 oz....	36	42	47	57	69	80	91	1 03	1 14	
20 oz ...	45	53	59	71	87	1 00	1 14	1 28	1 42	

Double Bead, Slip Joint										
14 oz....	40	45	49	59	70	80	91	1 05	1 18	
16 oz....	42	48	53	63	75	86	97	1 12	1 26	
20 oz....	53	61	67	69	95	1 08	1 22	1 40	1 58	

**EAVE TROUGH—Galvanized Steel****Single Bead Lap Joint**

Size, In	3	3½	4	4½	5	6	7	8	9	10
29 Gauge	13	14	16	18	19	23	27	31	36	40
28 "	15	16	18	20	21	25	30	34	38	42
27 "	17	18	20	22	23	28	32	37	42	46
26 "	19	20	22	24	25	30	35	40	45	50
24 "	..	..	28	30	31	37	44	50	56	62

**Double Bead, Lap Joint**

Size, In	3	3½	4	4½	5	6	7	8	9	10
29 Gauge	16	17	19	21	22	26	30	34	39	43
28 "	18	19	21	23	24	28	33	37	41	45
27 "	20	21	23	25	26	31	35	40	45	49
26 "	22	23	25	27	28	33	38	43	48	53
24 "	..	..	31	33	34	40	47	53	59	65

**Single Bead, Slip Joint**

Size, In	3	3½	4	4½	5	6	7	8	9	10
29 Gauge	14	15	17	19	20	25	29	33	38	42
28 "	16	17	19	21	22	27	32	36	40	44
27 "	18	19	21	23	24	30	34	39	44	48
26 "	20	21	23	25	26	32	37	42	47	52
24 "	..	..	29	31	32	39	46	52	58	64

**Double Bead, Slip Joint**

Size, In	3	3½	4	4½	5	6	7	8	9	10
29 Gauge	17	18	20	22	23	28	32	36	41	45
28 "	19	20	22	24	25	30	35	39	43	47
27 "	21	22	24	26	27	33	37	42	47	51
26 "	23	24	26	28	29	35	40	45	50	55
24 "	..	..	32	34	35	42	49	55	61	67

## PLAIN ROUND PIPE.


Gauge	29,	28,	26,	24,	22,	20
1 1/2 in., \$	.11	\$ .13	\$ .17	\$ .23	IRREGULAR	
2    "	.13	.15	.19	.25		
2 1/2   "	.14	.16	.20	.26		
3    "	.15	.17	.21	.27		
3 1/2   "	.18	.20	.24	.31		
4    "	.20	.23	.28	.35	.70	.80
5    "	.25	.28	.34	.44	.80	.90
6    "	.30	.33	.40	.52	.90	1.00
7    "	.70	.74	.76	.94	1.00	1.10
8    "	.80	.84	.86	1.04	1.10	1.20
9    "	.90	.94	.96	1.14	1.20	1.30
10   "	1.00	1.04	1.06	1.24	1.30	1.40
2   x 3	.25	.29	.31	.49	.55	.65
2 1/2 x 4	.32	.36	.38	.56	.62	.72
2   x 4	.30	.34	.36	.54	.60	.70
3   x 4	.35	.39	.41	.59	.65	.75
3 1/2 x 5	.42	.46	.48	.66	.72	.82
3 3/4 x 5	.44	.48	.50	.68	.74	.84
4   x 5	.45	.49	.51	.69	.75	.85
4   x 6	.50	.54	.56	.74	.80	.90





# BERGER'S COPPER CONDUCTOR.

## PLAIN AND CORRUGATED.



	14 oz.	16 oz.
1 1/2 inch.....	\$ .40	\$ .43
2     " .....	.40	.43
2 1/2   " .....	.50	.54
3     " .....	.50	.54
3 1/2   " .....	.65	.70
4     " .....	.65	.70
5     " .....	.85	.92
6     " .....	1.00	1.08
2     " Square Corg. ....	.42	.45
3     "     "     " .....	.52	.56
4     "     "     " .....	.67	.72
5     "     "     " .....	.87	.94
2   x 3   in plain .....	.60	.63
2   x 4   " .....	.71	.75
3   x 4   " .....	.84	.88
3 1/2 x 5   " .....	1.00	1.05
4   x 5   " .....	1.07	1.13
4   x 6   " .....	1.18	1.25

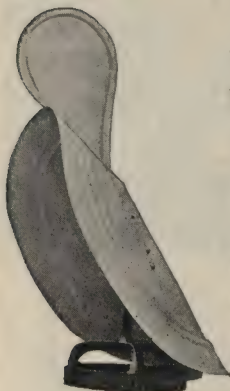
# Berger's Corrugated Expanding Conductor.

Gauges,	29	28	26	24
1 ½ inch,	\$ .11	\$ .13	\$ .17	\$ .23
2     "	.13	.15	.19	.25
2 ½   "	.14	.16	.20	.26
3     "	.15	.17	.21	.27
3 ½   "	.18	.20	.24	.31
4     "	.20	.23	.28	.35
5     "	.25	.28	.34	.44
6     "	.30	.33	.40	.52

## SQUARE

2   inch,	\$ .15	\$ .17	\$ .21	
3   "	.17	.19	.23	\$ .29
4   "	.22	.25	.30	.37
5   "	.27	.30	.36	.46
2   "	...Actual Size, 1 ¼ x 2 ¼			
3   "	...	"	"	2 ¼ x 3 ¼
4   "	...	"	"	2 ¾ x 4 ¼
5   "	...	"	"	3 ½ x 5

## ACME VENTILATOR



Revolves with the wind.  
No back draft. Works well  
under all conditions.

6 in., complete . . .	\$2.12
7 " " . . .	2.30
8 " " . . .	2.60
9 " " . . .	2.90
10 " " . . .	3.40
12 " " . . .	4.40

**The Acme Ventilator** will  
do the work and do it well.

## Helps Make Better Chimney Draft

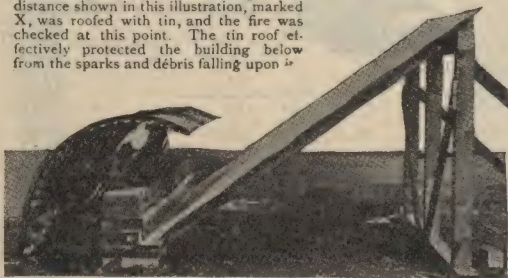


6-in. Frame, only . . . .	\$1.12
7 " " " . . . .	1.20
8 " " " . . . .	1.30
9 " " " . . . .	1.40
10 " " " . . . .	1.60
12 " " " . . . .	2.20

## TIN ROOF AS FIRE RETARDANT



**PROTECTION AGAINST FIRE:** In a recent destructive conflagration at Dayton, Ohio, the building in the distance shown in this illustration, marked X, was roofed with tin, and the fire was checked at this point. The tin roof effectively protected the building below from the sparks and débris falling upon it.



**FIRE TEST OF TIN LAID ON ASBESTOS SHEATHING-PAPER:** In this test the wood sheathing-boards had no protection except a single layer of asbestos sheathing-paper and a single layer of ordinary roofing felt, and over this good tin laid with flat seams. Although the flames carried by the deflector against the surface of the tin frequently reached beyond the upper edge of the roof, the sheathing-boards did not show the slightest evidence of charring or igniting.

## TIN ROOFS ARE INCOMBUSTIBLE AND PREVENT SPREAD OF FIRE



**PREVENTS SPREAD OF FIRE:** Another view of the Goldsboro Orphanage fire, showing the under side of the tin. Notice that the supporting woodwork has been destroyed, leaving the tin as a mere shell. The wooden props were put in after the fire to keep the tin from collapsing in the wind.

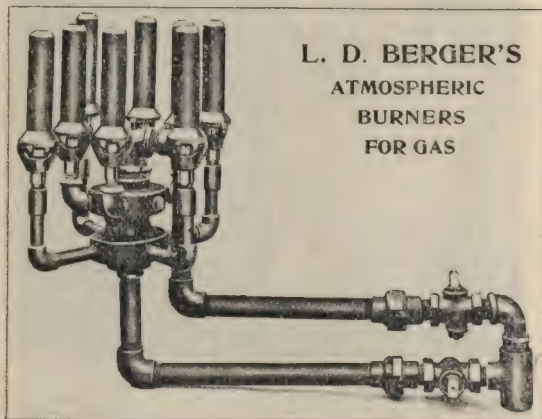
If this building had been covered with heavy roofing, such as tar and gravel, slate, or tile, weighing from 10 to 20 times as much as tin, the roof would undoubtedly have collapsed at an early stage of the fire, breaking through the lower floors and causing loss of life.

## A POWERFUL BATTERY OF ATMOSPHERIC BURNERS

WHICH CAN BE INSTALLED IN ANY  
CANDY FURNACE

Can be used under any large melting pot or kettle where a high degree of heat is required.

Any combination of burners or construction for special purpose quoted on receipt of specifications.



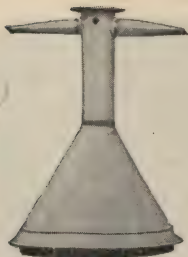
L. D. BERGER'S  
ATMOSPHERIC  
BURNERS  
FOR GAS

A COMBINATION OF EFFICIENCY AND CLEANLINESS

We also make Batteries of Burners for heating Japaning Ovens and other purposes where intense heat must be used.



## VACUUM WASHER



This is inserted in Boiler with Clothes.

Put Boiler on stove and as the water becomes hot it circulates through the Clothes, cleaning them.

**Price, \$2.50**

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## PLUMBERS' AND TINNERS'

### BIG HARD TALLOW CANDLES

**That Burn Ten Hours**

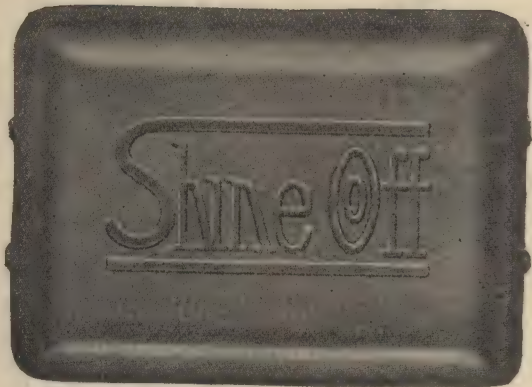


Size, 1  $\frac{1}{4}$  inch x 5 inch

Boxes, 100 each . . . . .	\$3.00
" 200 " . . . . .	5.50
" 250 " . . . . .	6.50

**Small lots, 3  $\frac{1}{2}$  cents each**

# Shine-Off

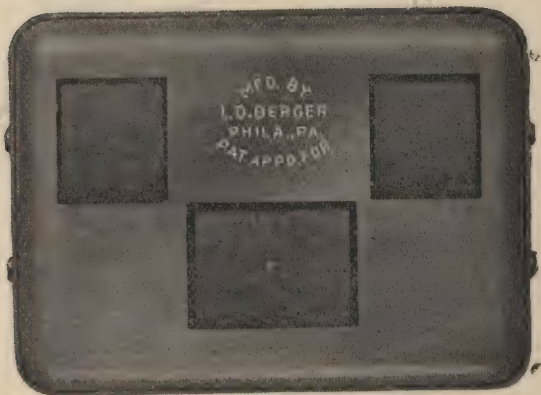


Is a machine that will positively remove the shine from clothing.

Some of the finest cloths made become shiny in time, particularly those that wear longest. Do not discard these clothes because they have worn glossy, or shiny; use SHINE-OFF and they will look new.

SHINE-OFF removes the shine quickly without injuring the cloth. It is very easy to use. It is used the same as an ordinary whisk or brush; no pressure is required.

# Shine-Off



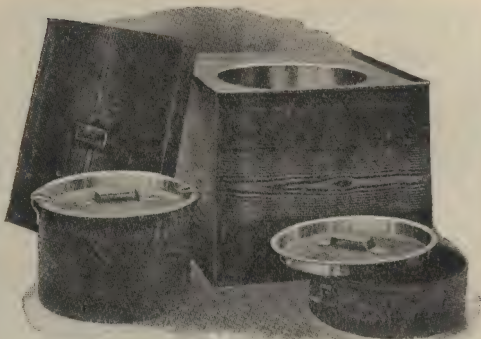
SHINE-OFF is stamped from heavy gauge aluminum; the illustrations show very easy to use. It fits the hand, is very attractive, and makes an excellent addition to the dressing table.

SHINE-OFF is composed of three little wheels that revolve in opposite directions when run over the cloth. These wheels comb out the cloth, raise the nap and form a new surface. After the use of SHINE-OFF the cloth looks new.

Every man and woman should have SHINE-OFF on their dressing table.

Price, One Dollar.

THE BERGER COOKER  
BOILS and STEWS PERFECTLY,  
IN A SIMPLE NATURAL WAY.



There is nothing new to be learned if you know how to cook on the ordinary stove. Put the food to be cooked in the utensils, place them on the stove and have them boiling hot. Then shift to the cooker and push on the cover. Allow the food to remain in the cooker as long or a little longer than you would have it on the stove. It cannot burn, and you need pay no attention to it until the proper time has expired. When you take out the food you will find it piping hot, and ready to serve.

The COOKER will keep things cold as well as hot. The utensils are made of fine agate, one utensil contains 4 quarts and the other 2 quarts.

You should not be without the BERGER COOKER, it will pay for itself many times. The price is \$4.00

# Fireless Cooker



Perhaps you know how to cook food, you may be expert, but even if you are not you know what well-cooked food tastes like--and you prefer it.

The BERGER COOKER helps to make a better cook. It cooks food perfectly, in a simple natural way.

The principle of Fireless cooking is simply a retention of heat. Lock food into a compartment with the proper amount of heat and the heat will cook the food. It's all very simple, the only difficulty is in getting a compartment that will retain heat.

The BERGER COOKER is all metal compartment that will positively retain heat, and in so doing it cooks food. It will cook all night long--in the morning, take the food out steaming hot and serve, perfectly cooked. No fires were needed during the night, no worry that the food would burn.

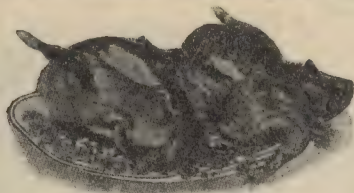
You're paying the price of the BERGER COOKER right now in your home. With the BERGER COOKER you spend less time over your cooking; use less fuel; and save a lot on the food itself, not to mention the quality of the cooking. The cooker, by reducing the cost, pays for itself and gives you better cooking service than you have had before.

By saving on the food we mean that the rich juices are retained, this makes the food more wholesome, more nutritious than it would be had it been cooked entirely on the flame stove.

The BERGER COOKER being made entirely of metal will not warp, swell or crack. It is light in weight, strongly made and handsomely finished.

# The Pace Maker

## Fireless Cooker



Old chickens roasted, beautifully browned  
and tender as young.



THE PACE MAKER is the most radical, the most valuable, the most costly improvement ever made in Fireless Cookers. Its cooking accuracy, the superiority of the work produced by it establishes a new standard of quality that can not be approached by any other process—or cooker.

NOTE.—While the PACE MAKER is about the same size as other cookers, it is 25 pounds heavier, due to its heavier construction, greater amount of insulation and radiation. With the easy-running castors furnished this extra weight will not inconvenience you in the least, while it increases the efficiency of the cooker.



## **Mrs. Housekeeper, you're paying the price of the Pace Maker Fireless Cooker, right now, in your home !**

You're paying 80 per cent. more for your fuel than you would if you cooked with the PACE MAKER fireless cooker.

You're spending 80 per cent. more time over your cooking than the PACE MAKER requires.

All food will be 80 per cent. better cooked. Take a roast, for instance, that has been cooked in the PACE MAKER; it is more wholesome, more nutritious than it would be had it been cooked on the flame stove, as the rich juices are retained. It is a pleasant surprise to find that the roast is the same size when cooked as it was when placed in the cooker. On the stove the rich juices vaporize, and the roast becomes smaller. So, you see, the PACE MAKER saves on the food, too.

The PACE MAKER cooks in one-third to one-half less time than any other cooker. Owing to the patented method of supporting the utensils, the scientific construction of the compartments, the superior insulation and greater radiation, this cooker will roast, bake, boil, stew, steam and fry perfectly without any re-heating, in less time than any other cooker.

## With the Pace Maker you can cook without danger of burning.

The compartments of the PACE MAKER are separate; each having an individual lid, so that you can open any one of them without disturbing the others.

The food requires no attention after it has been placed in the cooker. The housewife may leave the house for hours, and, on returning, lift the food out completely cooked—it cannot burn.



The pie and cake rack, which we give you with the PACE MAKER, is large enough to take the full-size pie-plates. You can bake three full-size pies or thin cakes at the same time, or one deep cake or one deep pie. The illustration shows the use of the pie and cake rack.

Prepare the food in the usual manner and place it in the PACE MAKER, allow it to cook the proper length of time, and when you are ready to serve you will find everything done to a turn and piping hot.

## **During the Summer the Pace Maker will make your kitchen as cool as any room in the house.**

The steam and grease that escapes from the pot on the stove or gas range permeates the kitchen, soils the wallpaper, and is offensive to breathe. In the sanitary PACE MAKER no heat or odor can escape.

Read this letter; it is one of many that proclaim the PACE MAKER a leader:

SIRS:

I was converted to fireless cooking several years ago, during which time I had several which gave indifferent satisfaction, but not until I purchased the PACE MAKER did I fully realize the true worth of fireless cooking. The food keeps hot just twice as long in it as it did in my other cookers.

Your improvement is truly wonderful and the cooker is worth more—much more—than the price you sell it for.

MRS. DAVID RICHARD.

Prestige is embodied in every detail of the design and construction of the PACE MAKER. No other cooker has endured its tests nor demonstrated such marvelous results.

There is no reason why you should not have a PACE MAKER; it saves you its cost in a short time.

## This shows how the Pace Maker is used



This illustration shows how the radiators are used. First, the radiator is heated on the coal, gas or gasoline stove (the food having been prepared in the usual manner and placed in the cooking utensil), the iron is then placed in its compartment, the cooking utensil is placed over the iron, and then the lid of the compartment is closed. It is all very simple—nothing mysterious about it—anyone can do it. Two radiators are used in the large or center compartment when roasting or baking is done. One radiator is under the aluminum kettle or baking rack, while the other is on top of the rack or placed in the kettle on the rack supplied for that purpose. So the contents will be between these two hot radiators, and they will bake or roast anything and make it a beautiful brown.

Here is another method of cooking with the PACE MAKER; no radiators are used: Bring the pot to the boiling point on the stove. You then transfer it to the cooker, and the same degree of heat it was put in with remains in and around the pot, and it cooks just as if it were not removed from the stove.

# The Pace Maker is made of

**GALVANIZED  
TONCAN METAL**



## **COMBINATION FIRELESS COOKER**

The cooker is 36 inches long, 15¼ inches wide, 15 inches high. It contains three solid aluminum cooking utensils of the famous Wear-Ever make—one eight-quart and two four-quart—four indestructible metal radiators that are ribbed underneath, so as to heat quickly; a hook for lifting the radiators; one roasting rack; one baking rack; an instruction book; and four easy-running castors, all complete and ready to use. The shipping weight is 125 pounds

**Price complete, F. O. B. Philadelphia, \$18.00.**

## **PACE MAKER VACUUM SWEEPER**

**Weights Ten Pounds**

It is operated as the ordinary carpet sweeper.

When you lift it, the balance is perfect; this allows the machine to be placed on the floor easily and quietly, and without spilling dirt.

**Price, \$7.50**



**The only way to remove the germ-laden  
dust from Carpets, Rugs, etc.**



## PACE MAKER VACUUM SWEEPER

A PERFECT  
HOUSEHOLD  
MACHINE

Price  
\$7.50



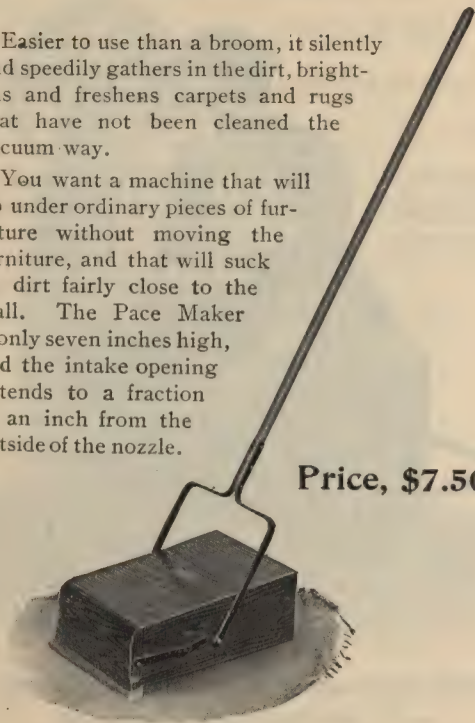
The illustration shows how simply and  
easily the dirt may be removed  
from the Pace Maker

## PACE MAKER VACUUM SWEEPER

Easier to use than a broom, it silently and speedily gathers in the dirt, brightens and freshens carpets and rugs that have not been cleaned the vacuum way.

You want a machine that will go under ordinary pieces of furniture without moving the furniture, and that will suck up dirt fairly close to the wall. The Pace Maker is only seven inches high, and the intake opening extends to a fraction of an inch from the outside of the nozzle.

**Price, \$7.50**



## PACE MAKER VACUUM SWEEPER

**Economy and better cleaning**, that is what the **Pace Maker** will mean to you—in a nut-shell—**results**.

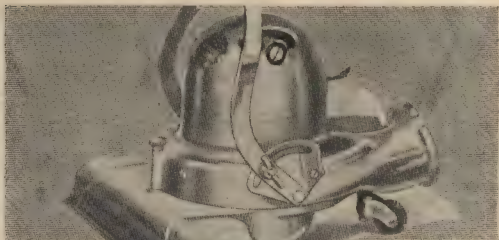
The **Pace Maker** is built strongly, of the best material; mechanically, you need not bother, it is absolutely guaranteed for one year.

The size, balance and weight of the **Pace Maker** does not sacrifice the “dirt-getting” qualities.

Although light in weight, the **Pace Maker** is strong and sturdy, and is built to stand rougher usage than it is likely to receive.

When you wish to clean your carpets or rugs, take the **Pace Maker** from the closet and run it over the floor the same as you would a carpet sweeper. You do not have to tinker with it; connect wires or hoses; you need never oil it, the bearings are oilless—the **Pace Maker** is always ready to get more dirt, always a willing servant.

A clean home and peace is what the **Pace Maker** will eventually mean to every household, by changing a work of drudgery to an exercise that is pleasurable and sanitary.



*Weights only 9 pounds.  
Light, strong, conven-  
ient, efficient.*

**\$30** *complete, with hard-  
wood floor tool. Fully  
guaranteed.*

## Here's Everything that's Good in Vacuum Cleaners The One You Can and Will Use Every Day

You can depend on Frantz-Premier Electric Suction Cleaners. We made them right before we advertised. Thirty thousand orders prove that they *are* right—for daily use—to replace brooms and sweepers—to make homes clean every day.



### 30,000 Women Use Frantz-Premier Cleaners Every Day

They are light, easy to operate and astonishingly efficient. This won't harm face rugs or draperies. In two hours you can do the work of eight hours with a broom.

### Have a clean House Easily, Every Day in the Year

The Frantz-Premier will help you. It goes under furniture, mattresses. Attaches to any lamp socket. It uses little current, and can be kept in most closets.

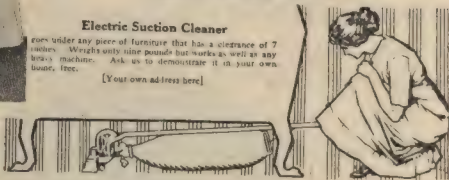
# Frantz-Premier

## Electric Suction Cleaners

### Electric Suction Cleaner

goes under any piece of furniture that has a clearance of 7 inches. Weighs only nine pounds but works as well as any heavy machine. Ask us to demonstrate it in your own home, free.

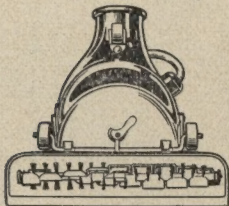
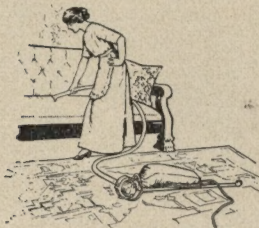
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## Frantz Premier

### Electric Suction Cleaner

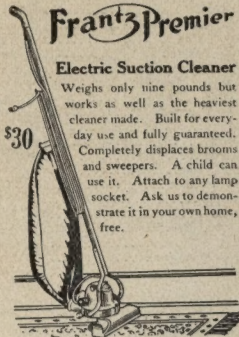
Weights only nine pounds but works as well as the heaviest cleaner made. Built for everyday use and fully guaranteed. Completely displaces brooms and sweepers. A child can use it. Attach to any lamp socket. Ask us to demonstrate it in your own home, free.



## Frantz Premier

### Electric Suction Cleaner

Weights only nine pounds but works as well as the heaviest cleaner made. Built for everyday use and fully guaranteed. Completely displaces brooms and sweepers. A child can use it. Attach to any lamp socket. Ask us to demonstrate it in your own home, free.



\$30

\$30.00



This is the way the dirt comes out



# INDEX

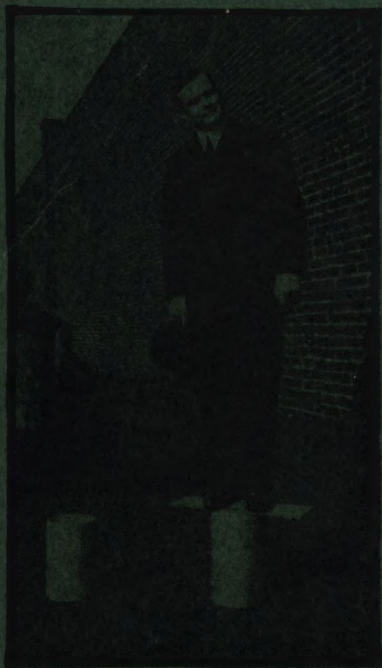
Ash Cans.....	160	Nails.....	34
Balls, Zinc.....	52	Nails, Wall.....	36
Blackene.....	157	Oil.....	162
Black Jack Polish.....	157	Pails, Chamber.....	138
Blast Gates.....	167	Paint.....	161-162
Boilers, Wash.....	155	Paper, Asbestos.....	23
Bolts, Stove.....	149	Paper, Building.....	23
Bottoms, Metallic.....	155	Perforated Tin.....	17-165
Brakes.....	172-173	Pipe, Conductor.....	228 to 234
Brick, Pressed.....	21	Pipe, Furnace.....	108 to 111
Buckets.....	24-86	Pipe, Stove.....	111
Brushes.....	162	Pumps.....	148
Candles.....	239	Putty.....	161
Cans, Milk.....	156	Range Hoods.....	94
Cans, Waste.....	160	Register Boxes.....	110
Cement.....	161	Registers.....	116 to 137
Charcoal.....	150	Ridging.....	46-53
Cleaner, Premier.....	254-255	Rivets.....	149
Cleats.....	34	Rings and Clips.....	153
Clips, Damper.....	98	Rods, Damper.....	101
Cloth Strainer.....	159	Roofing, Gravel.....	24
Collars.....	158	Roofing, Steel.....	20
Conductor Straps.....	52	Roofing, Tin.....	4 to 12
Copper.....	16	Roses Zinc.....	158
Coppers Soldering.....	169	Rosin.....	150
Cornices.....	214 to 225	Salamoniac.....	168
Crestings.....	45 to 51	Screws, Can.....	165
Cups, Damper.....	101	Sheet Iron Stoves.....	160
Cut-offs.....	168	Shingles.....	84
Dampers, Flue.....	100	Shoes, Cast Leader.....	88
Dampers, Stove Pipe.....	98-99	Siding Brick.....	21-22
Ears.....	151	Skylights.....	80 to 82
Elbows.....	112, 113, 229	Slate Stones.....	131
Enamels.....	157	Shineoff.....	240-241
Fasteners, Pipes.....	33 to 36	Snips.....	187 to 190
Finials.....	54 to 73-139	Solder.....	169
Fireless Cookers.....	242-249	Stands, Sad Iron.....	158
Flashings.....	24	Stops, Flue.....	165
Furnace, Tinnerns.....	140 to 147 176	Stove Polish.....	157
Fluid, Soldering.....	165	Straps, Pipe.....	36
Gas Burners.....	238	Tanks.....	90, 91
Guards, Spout.....	89	Tee Joints.....	108
Gutter.....	226 to 231	Thimbles, Maguire's.....	152
Gutters, Formers.....	199	Tin Plate.....	4 to 12
Handles.....	151 to 154	Toncan Metal.....	74 to 79
Hangers, Gutter.....	25 to 32	Tube, Speaking.....	164
Heads, Conductor.....	38 to 44	Turnbuckles, Oven.....	158
Heaters.....	102 to 107	Tools, Tinnerns.....	170 to 213
Hods, Coal.....	138	Vacuum Cleaners.....	250-255
Hooks, Pipe.....	35, 36, 37, 168	Vacuum Sweepers.....	250-256
Introductory.....	1	Vacuum Washers.....	239
Iron, Hoop.....	14	Valves and Plungers.....	163
Iron, Sheet.....	13, 14, 15	Ventilator.....	92, 93, 94, 95, 96, 97, 235
Irons, Roof.....	25	Victor Draft Check.....	101
Iron, Corrugated.....	13-19	Vises.....	179
Johnson Fire Pot.....	140 to 147	Whistles.....	164
Knobs.....	101-159	Window Caps.....	83
Ladders, Extension.....	166-167	Wiping Solder.....	169
Lathing Metals.....	156	Wire.....	150
Lead Washers.....	19	Wire Plastering.....	156
Letters.....	77-171	Woods, Pail.....	159
Lids, Boiler.....	155	Zinc.....	17-156
Machines, Tinnerns.....	170 to 213		
Mitres.....	227-228		





# **L. D. BERGER'S ADJUSTABLE ELBOWS**

**Not too tight nor too loose.**



**This chap weighs 220 lbs. and the 8 inch  
Elbow never flinched.—ASK FOR L. D. B.**